Panasonic

**Compact Plain Paper Fax
with Cordless Phone**

Operating Instructions

Model No. **KX-FPC161**

Please read these Operating
Instructions before using the unit
and save for future reference.

**This model is designed to be
used only in the U.S.A.**

Thank you for purchasing a Panasonic facsimile.

Things you should keep a record of

Attach your sales receipt here

For your future reference

Date of purchase

Serial number
(found on the rear of the unit)

Dealer's name and address

Dealer's telephone number

Caution:
● The Telephone Protection Act of 1991 requires the following information to be clearly stated either at the top or bottom margin of the first message page when transmitting messages via telephone facsimile:
  — date and time of transmission,
  — identification of the business, entity or person(s) sending the facsimile, and
  — telephone number of the business, entity or person(s).
  To program this information into your unit, complete all the instructions on pages 17 to 20.
● Note that the images of copied or received documents will remain on the used ink film. Use discretion when disposing of the used ink film.
● Do not rub or use an eraser on the printed side of recording paper, as the print may smear.

Energy Star

As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

Trademarks

Hammermill® is a registered trademark of INTERNATIONAL PAPER in the United States and/or other countries.
All other trademarks identified herein are the property of their respective owners.

Copyright:

This manual is copyrighted by Kyushu Matsushita Electric Co., Ltd. (KME) and its licensee. Under the copyright laws, this manual may not be reproduced in any form, in whole or part, without the prior written consent of KME and its licensee.

Ⓒ Kyushu Matsushita Electric Co., Ltd. 2001

For best performance

Battery charge

Place the handset on the cradle of the base unit for about **4 hours** before initial use.

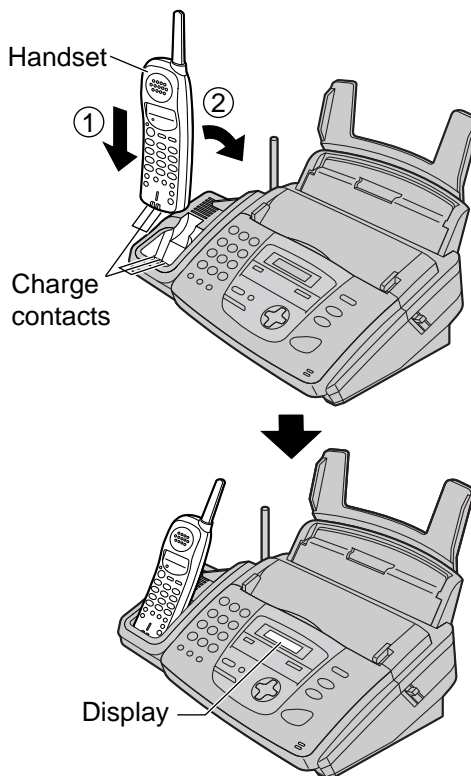Slowly place the handset on the cradle vertically (①), then lean it back (②).

● A beep will sound and the following will be displayed for an instant time on the base unit.

Display:

CHARGING

↓

The display will show the date and time.

● If the base unit is in use, a beep may not sound and the above display may not be shown.
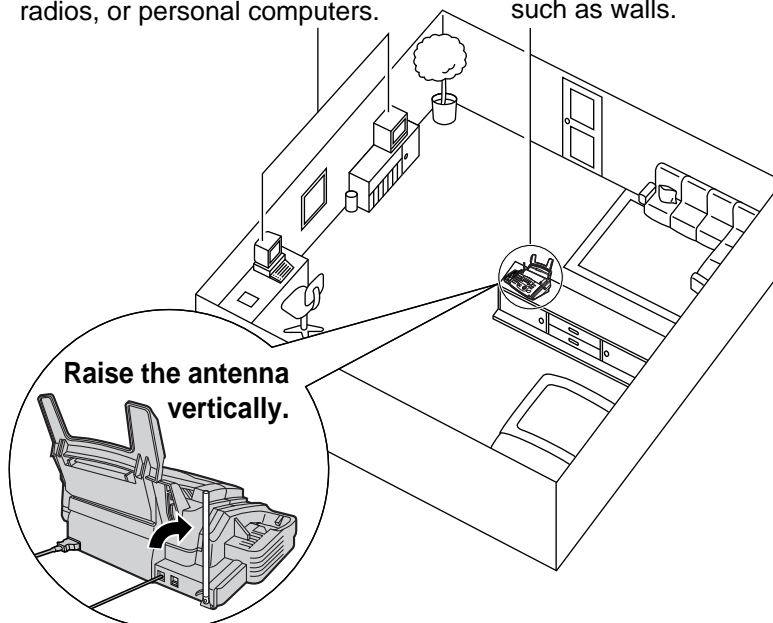
Handset

Charge contacts

Display

Operating distance and noise

Calls are transmitted between the base unit and the handset using wireless radio waves.
For maximum distance and noise free operation, the recommended base unit location is:

Away from electrical appliances such as TVs, radios, or personal computers.

In a HIGH and CENTRAL location with no obstructions such as walls.

Raise the antenna vertically.

For fax advantage assistance, call 1-800-435-7329.

Safety instructions

Important safety instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example near a bathtub, wash bowl, kitchen sink, or the like.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. For safety purposes this unit is equipped with a grounded plug. If you do not have this type of outlet, please have one installed. Do not use any type of adaptor plug to defeat this safety feature.
9. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
10. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
11. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
12. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized service center when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
13. Unplug this unit from the wall outlet and refer servicing to an authorized service center when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized service center.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
14. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
15. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

4

CAUTION:

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) specified.

2. Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.

3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.

4. Exercise care in handling batteries in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.

5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

INSTALLATION:
● Never install telephone wiring during a lightning storm.
● Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
● Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
● Use caution when installing or modifying telephone lines.

WARNING:
● To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.

OTHER INFORMATION:
● Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
● The unit should be kept free from dust, high temperature and vibration.
● The unit should not be exposed to direct sunlight.
● Do not place heavy objects on top of this unit.
● Do not touch the plug with wet hands.

Table of Contents

Initial Preparation

Telephone

Fax

(continued)

For fax advantage assistance, call 1-800-435-7329.

Fax (cont.)

Copy

Programmable Features

Help

General Information

Accessories

Included accessories

Power cord..............1	Telephone line cord...1	Cordless handset 1	Belt clip 1
Part No. PFJA1030Z	Part No. PQJA10075Z	— The rechargeable battery is pre-installed.	Part No. PQKE10079Z4
Paper tray 1	Ink film.....................1 (included film roll)	A4 paper guide 1	Operating instructions 1
Part No. PFKS1056Z3		Part No. PFZMFPC161M	Part No. PFQX1593Z

- If any item is missing or damaged, check with the place of purchase.
- The part numbers listed above are subject to change without notice.
- Save the original carton and packing materials for future shipping and transportation of the unit.

Accessory information

The included film roll is 10 meters (32½′) long. We recommend that you buy full size replacement film – 50 meters (164′) for continuous use of your unit. For best results, use genuine Panasonic replacement film Model No. KX-FA53 or KX-FA55.

Model No.	Item	Specifications / Usage
KX-FA53	Replacement film	1 roll – 216 mm x 50 m (8½″ x 164′)
KX-FA55	Replacement film	2 rolls – 216 mm x 50 m (8½″ x 164′)
KX-FA50C	Legal paper tray	To install legal size recording paper.
P-P504	Rechargeable battery	Ni-Cd battery for the cordless handset.
KX-TCA87	Headset	For a hands-free telephone conversation.

- **The ink film is not reusable. Do not rewind and use the ink film again.**

- To place an order:
  Telephone: Call 1-800-332-5368.
  Fax: Send a fax to 1-800-237-9080.
                     Include: — your name, shipping address and telephone number,
                               — credit card type, number, expiration date and your signature,
                               — order part number and quantity.
  Internet: Visit our web site: http://www.panasonic.com/store
                     (for customers in the U.S.A. or Puerto Rico ONLY)

- If you have any questions about internet orders, please contact us at:
  E-mail: panasonicdirect@panasonic.com
  Telephone: 1-201-348-7292

For fax advantage assistance, call 1-800-435-7329.

Help function

You can print a quick reference for assistance as follows.

1 Press **HELP**.

Display:
```
PRESS NAVI.[◄ ►]
& SET
```

Display

2 Press ◄ or ► until the desired item is displayed.

1. How to set the date, time, your logo and fax number.

```
QUICK SET UP
        PRESS SET
```

2. How to program the features.

```
FEATURE LIST
        PRESS SET
```

3. How to store names in the directory and how to dial them.

```
DIRECTORY
        PRESS SET
```

4. Help with problems sending/receiving faxes.

```
FAX SND/RCV
        PRESS SET
```

5. How to use the copier function.

```
COPIER
        PRESS SET
```

6. Frequently asked questions and answers.

```
Q and A
        PRESS SET
```

7. Explanation of error messages shown on the display.

```
ERRORS
        PRESS SET
```

8. List of available reports.

```
REPORTS
        PRESS SET
```

9. How to use the Caller ID service.

```
CALLER ID
        PRESS SET
```

HELP ◄ ► **SET**

3 Press **SET**.

```
    PRINTING
```
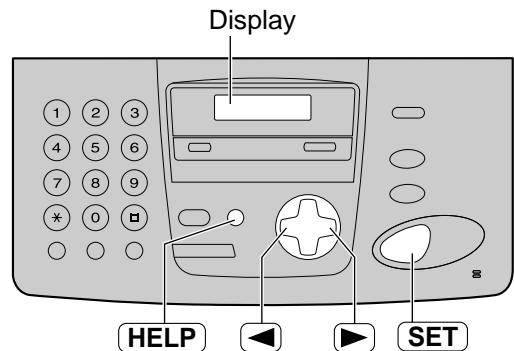
Finding the Controls (Base Unit)

Overview

Document guides

Antenna

Paper tray

Recording paper entrance

Speaker
(Left side of the unit)

Tension bar

Recording paper exit
● Up to 30 sheets of printed paper can be held.

Charge contacts

Back cover

Front cover

Back cover open button

Document exit

Document entrance

Note:
● The document will be ejected from the front of the unit.
  Install the unit on a desk or floor with a smooth
  surface and do not place anything in front of the unit.

For fax advantage assistance, call 1-800-435-7329.

Location

● To page or locate the handset (p. 25).

● To turn on/off AUTO ANSWER (p. 42).

● To initiate or exit programming.

Display

● To use caller ID service (p. 32).

● To insert a pause during dialing.

● To print a quick reference (p. 9).

● To initiate fax transmission or reception.
● To store a setting during programming.

● To dial without lifting the handset.

● To initiate copying (p. 52).

● To redial the last number dialed.*

● To stop an operation or cancel programming.

● To access special telephone services such as call waiting or transfers of extension calls.

● To adjust volumes (p. 24).
● To search for a stored name (p. 30, 37).
● To select the features or feature settings during programming (p. 55).
● To navigate to the next operation.

● To change from pulse to tone temporarily during dialing when your line has rotary pulse services.

*Regardless of whether the base unit or the handset was used, the last number dialed will be redialed.

Setup (Base Unit)

Ink film – installing / replacing

Install the included ink film or replace the used ink film with new one.
The following ink films are available for replacement.
Model No. KX-FA53: Replacement film (1 roll)
Model No. KX-FA55: Replacement film (2 rolls)
Each roll prints about 150 letter-size pages. See page 8 for accessory information.

1 Open the front cover by pulling up the center part.
- If the handset is on the cradle, take it off before opening the cover.

Center part

Front cover

2 Push the back cover open button (green) on the right side of the unit.
OR
Push the back cover open lever (green) inside of the unit.

Back cover open button (green)

OR
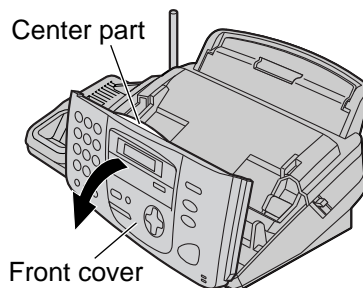
Back cover open lever (green)
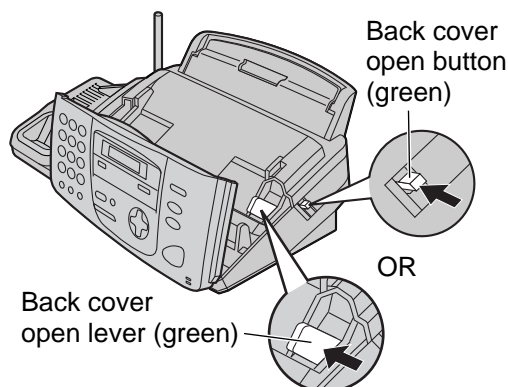
3 Open the back cover.
- If you are installing the included ink film for the first time, skip to step 6.

Back cover

4 **For replacement only**
Pull out the blue gear and remove the used ink film. Remove the used core.

Used core

Used ink film

Blue gear
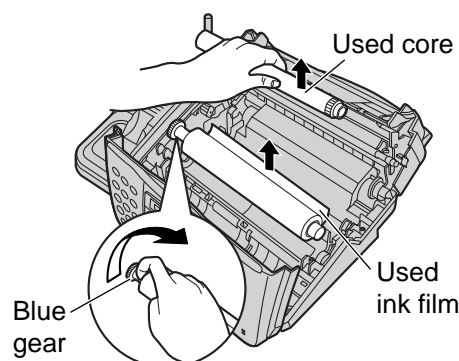
5 **For replacement only**
Remove the stoppers and tags from the new ink film. Find the "T" shaped gear (blue).

Tags
Stopper
New ink film
"T" shaped gear (blue)
Stopper
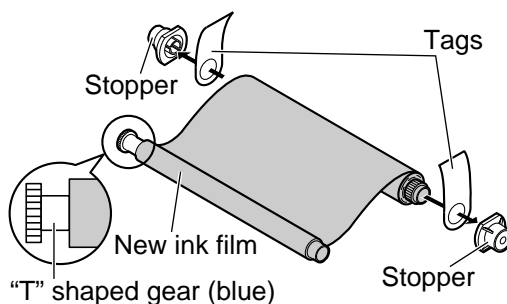
6 Insert the blue core of the front ink film roll into the right slot of the unit (①). Insert the "T" shaped gear (blue) into the left slot of the unit (②).
Insert the rear ink film roll (③).
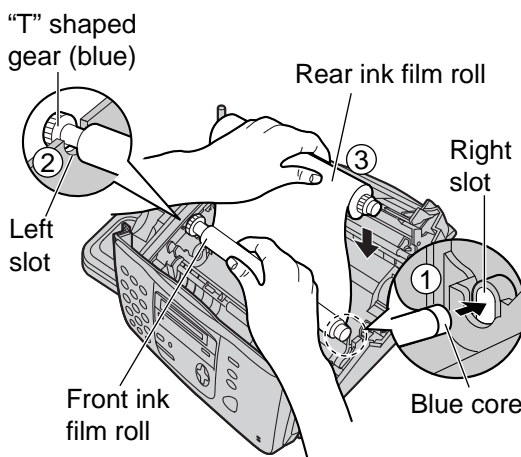
"T" shaped gear (blue)
Rear ink film roll
Right slot
Left slot
Front ink film roll
Blue core

7 Turn the "T" shaped gear (blue) in the direction of the arrow.
● Make sure that the ink film is wrapped around the blue core at least once.

Correct | Incorrect

Tight
Blue core

The ink film is not wrapped around the blue core.

Slack | Reverse

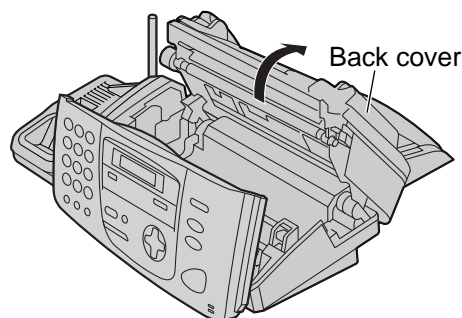"T" shaped gear (blue)
Ink film
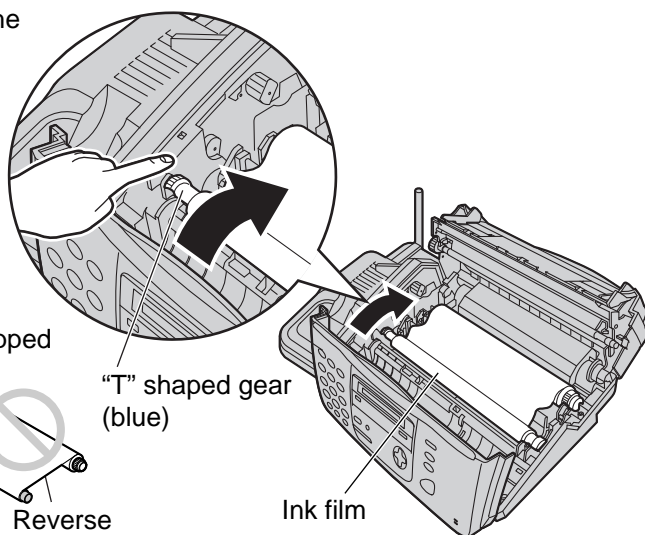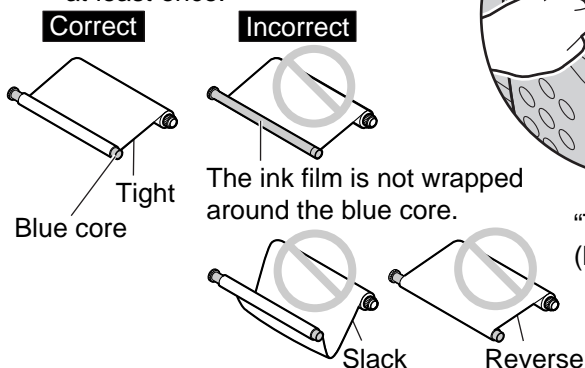
8 Close the back cover securely by pushing down on the dotted area at both ends (①). Close the front cover securely (②).
● The following will be displayed while the unit is checking that there is no slack in the ink film.

Display: | PLEASE WAIT
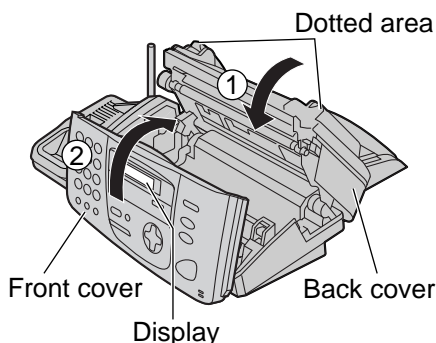
Note:
● The ink film is completely safe to touch, and will not rub off on your hands like carbon paper.

Dotted area
Front cover
Display
Back cover

For fax advantage assistance, call 1-800-435-7329.

Setup (Base Unit)

Paper tray

Insert tabs on the paper tray into slits on the back of the unit.

Paper tray
Tabs
Tabs
Slits
Slits
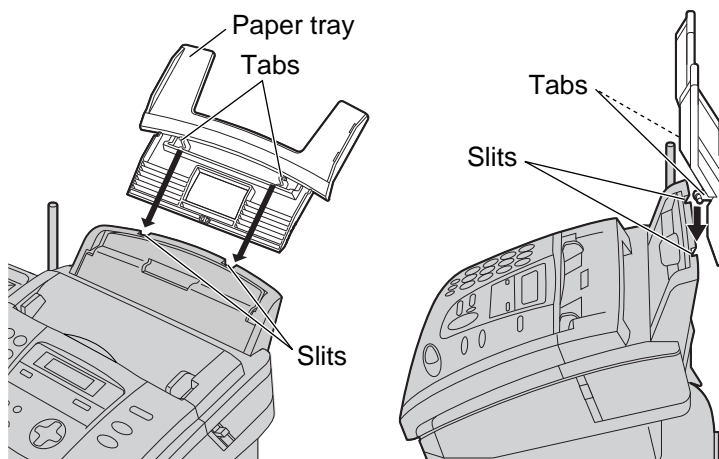
Note:
● Do not place the unit in areas where the paper tray may be obstructed by a wall, etc.

To use A4 size paper

Insert the bottom tab on the A4 paper guide into the lower slot.
Press the guide into the upper slot.

● Change the recording paper size (feature #16 on page 57).

Paper tray
A4 paper guide
Bottom tab
Upper slot
Lower slot
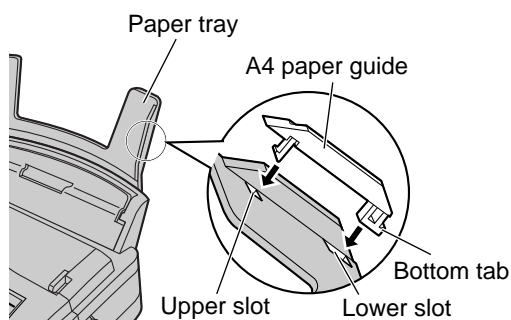
To use legal size paper

Please purchase a legal paper tray, Model No. KX-FA50C (p. 8) and install as shown above.

KX-FA50C
Legal paper tray

For fax advantage assistance, call 1-800-435-7329.
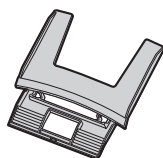
Recording paper

Letter, legal or A4 size recording paper can be loaded. The unit can hold up to 50 sheets of 60 g/m^2 to 75 g/m^2 (16 lb. to 20 lb.) paper or 30 sheets of 90 g/m^2 (24 lb.) paper.
For best results, only use inkjet paper such as Hammermill Jet Print. If you use other types of paper, the print quality may be affected.
– To use legal size paper, please install an optional legal paper tray, Model No. KX-FA50C
  (p. 8, 14).
– To use A4 size paper, see page 14.

1 Fan the stack of paper to prevent a paper jam.

2 Pull the tension bar forward and hold open while inserting the paper.
  ● The paper should not be over the tab.
  ● If the paper is not inserted correctly, readjust the paper, or the paper may jam.

Printing side is back.

Recording paper entrance

Tab

Tension bar

Correct   Incorrect

Stack of paper
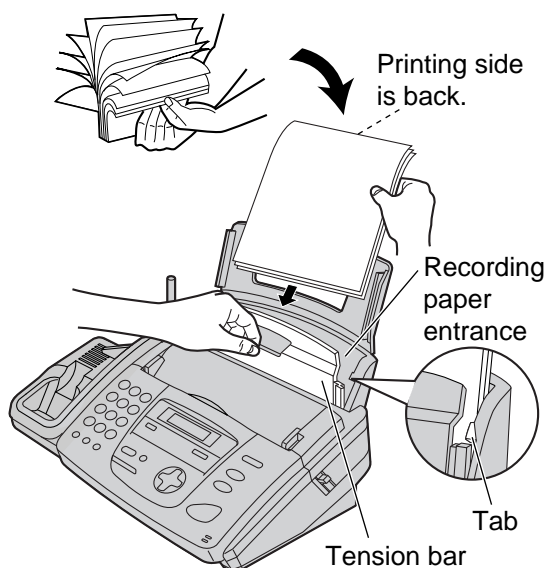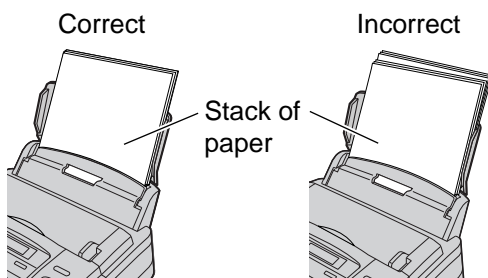
Note for recording paper:
● **Avoid using paper with a cotton and/or fiber content that is over 20%, such as letterhead paper or paper used for resumes.**
● **Do not use different types or thicknesses of paper at the same time. This may cause a paper jam.**
● **Avoid extremely smooth or shiny paper that is highly textured.**
● **Avoid paper that is coated, damaged or wrinkled.**

Note:
● Avoid double-sided printing.
● Do not use paper printed from this unit for double-sided printing with other copiers or printers, or the paper may jam.
● Some paper only accepts print on one side. Try using the other side of paper if you are not happy with the print quality.

Adding paper

Tension bar

1. Pull the tension bar forward and hold open while removing all of the installed paper.
2. Add paper to the removed paper and straighten.
3. Fan the stack of paper.
4. Pull the tension bar forward and hold open while inserting the paper.
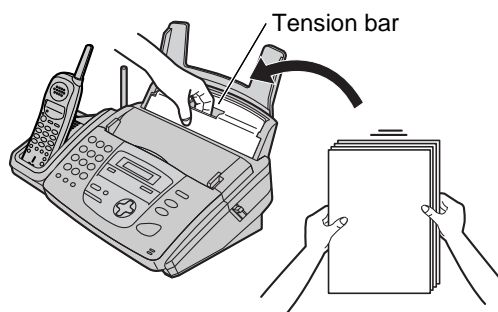
Setup (Base Unit)

Connections

1 Connect the telephone line cord.

2 Connect the power cord.

Power cord

To a power outlet (120 V, 60 Hz)

(Power surge protector)

To a single telephone line jack (RJ11C)

(Line surge protector)

Telephone line cord

Connect to "LINE".
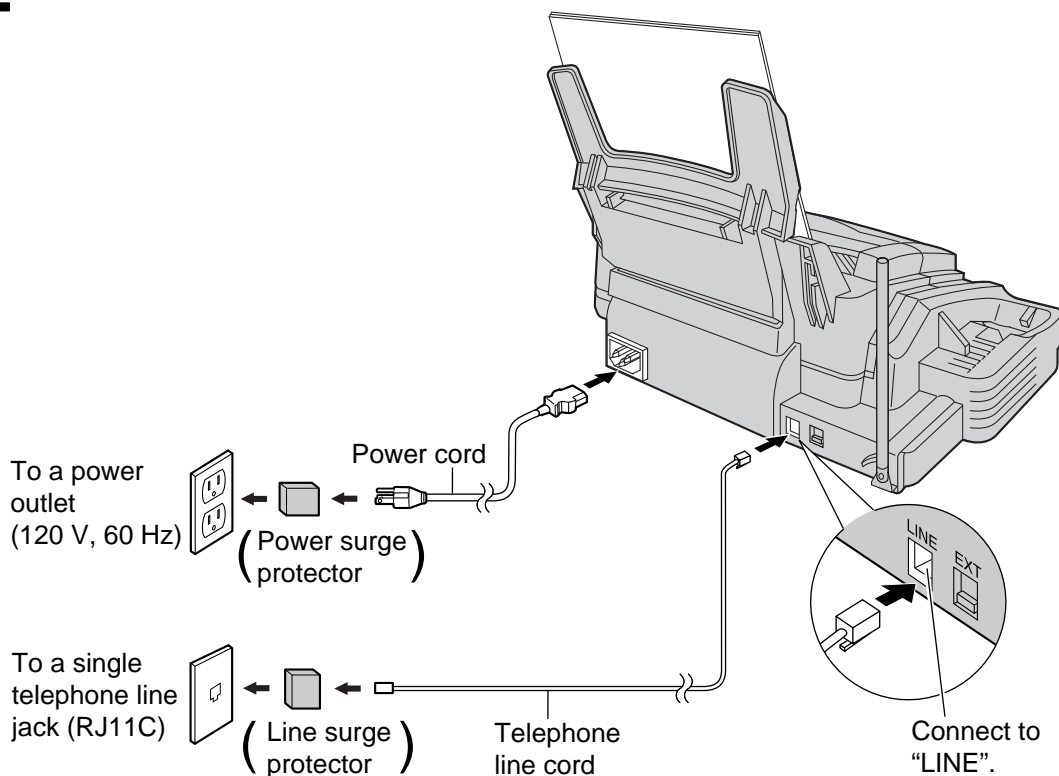
Caution:
● **When you operate this product, the power outlet should be near the product and easily accessible.**

Note:
● For additional equipment protection, we recommend you use a surge protector. The following types are available: TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX).
The warranty does not cover damage due to power line surges or lightning.
● If you want to connect an answering machine to the unit, see page 48.

To use the fax machine with a computer on the same line

● We recommend you use separate wall jacks for the fax machine and the computer.
● Set the fax machine to TEL mode (p. 44).
● The device which has the shortest ring setting will answer the call first.
● If the computer provides a port for telephone line, connect the fax machine to the port on the computer.

For fax advantage assistance, call 1-800-435-7329.

Date and time, your logo and facsimile telephone number

You should program the date and time, your logo and facsimile telephone number. This information will be printed on each page transmitted from your unit.

Your logo   Your facsimile telephone number   Date and time

Example:

```
FROM : Panasonic Fax          FAX NO. : 1234567     Feb. 26 2001 09:02AM  P1

                        Fax Correspondence
```
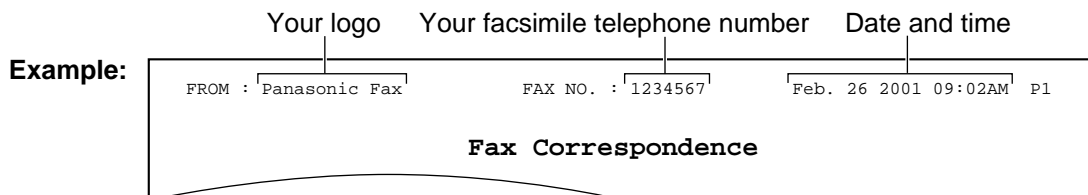
Setting the date and time

1 Press **MENU**.

Display:
```
SYSTEM SET UP
PRESS NAVI.[◄ ►]
```

2 Press ◄ or ► until the following is displayed.
```
SET DATE & TIME
      PRESS SET
```

3 Press **SET**.

Cursor

Example:
```
M:01/D:01/Y:01
TIME: 12:00AM
```

4 Enter the correct month/day/year by selecting 2 digits for each, using the dial keypad.
Example: Aug. 10, 2001
Press **0** **8** **1** **0** **0** **1**.
```
M:08/D:10/Y:01
TIME: 12:00AM
```

5 Enter the correct hour/minute by selecting 2 digits for each, using the dial keypad.
Press ✳ to select "AM" or "PM".
Example: 3:15PM
1. Press **0** **3** **1** **5**.
```
M:08/D:10/Y:01
TIME: 03:15AM
```

2. Press ✳ until "PM" is displayed.
```
M:08/D:10/Y:01
TIME: 03:15PM
```

6 Press **SET**.
● The next feature will be displayed.
```
YOUR LOGO
      PRESS SET
```

7 Press **MENU**.

Display **+** **STOP**

MENU ◄ ► **SET**

–
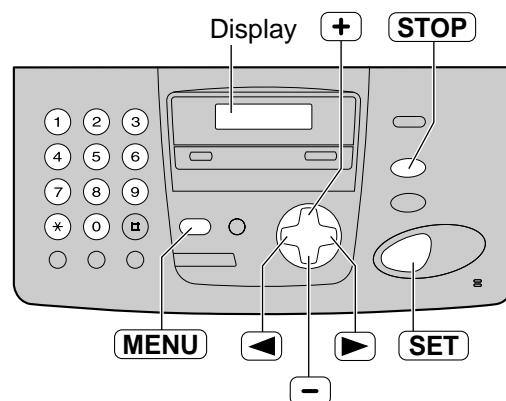
Note:
● You can enter the number by pressing **+** or **–** in steps 4 and 5. In this case, press ► to move the cursor.
● The accuracy of the clock is approximately ±60 seconds a month.

To correct a mistake

● Press ◄ or ► to move the cursor to the incorrect number, and make the correction.
● If you press **STOP** while programming, the display will return to the previous one.

Setup (Base Unit)

Setting your logo

The logo can be your company, division or name.

1 Press **MENU**.

Display:
```
SYSTEM SET UP
PRESS NAVI.[◄ ►]
```

2 Press ◄ or ► until the following is displayed.
```
YOUR  LOGO
       PRESS SET
```

3 Press **SET**.
```
LOGO=
```

4 Enter your logo, up to 30 characters, using the dial keypad. See the next page for details.

Example: "Bill"

1. Press **2** 2 times.

Cursor
```
LOGO=B
```

2. Press **4** 6 times.
```
LOGO=Bi
```

3. Press **5** 6 times.
```
LOGO=Bil
```

4. Press ► to move the cursor to the next space and press **5** 6 times.
```
LOGO=Bill
```

5 Press **SET**.
● The next feature will be displayed.
```
YOUR  FAX  NO.
       PRESS SET
```

6 Press **MENU**.

HANDSET LOCATOR
(Insert)   Display   **+**   **STOP**
                                       (Delete)

```
1 2 3
4 5 6
7 8 9
* 0 ▪
```

FLASH   **MENU** ◄   ►   **SET**
(Hyphen)
−
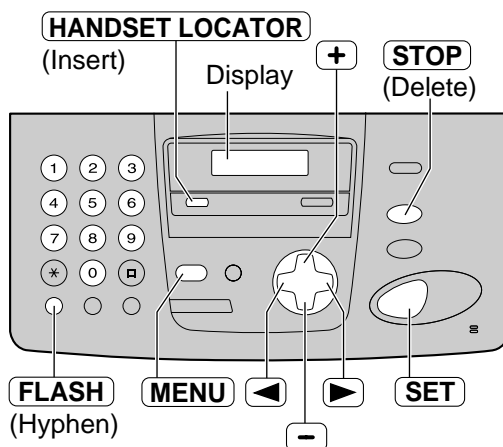
Note:
● You can enter your logo by pressing **+** or **−** (see the next page) in step 4. In this case, press ► to move the cursor.

To correct a mistake
● Press ◄ or ► to move the cursor to the incorrect character, and make the correction.

To delete a character
● Move the cursor to the character you want to delete and press **STOP** (Delete).

To insert a character
1. Press ◄ or ► to move the cursor to the position to the right of where you want to insert the character.
2. Press **HANDSET LOCATOR** (Insert) to insert a space and enter the character.

To select characters with the dial keypad

Pressing the dial keys will select a character as shown below.

Keys	Characters
(1)	1 [ ] { } + − / = , . _ ` : ; ? |
(2)	A B C a b c 2
(3)	D E F d e f 3
(4)	G H I g h i 4
(5)	J K L j k l 5
(6)	M N O m n o 6
(7)	P Q R S p q r s 7
(8)	T U V t u v 8
(9)	W X Y Z w x y z 9
(0)	0 ( ) 〈 〉 ! " # $ % & ¥ ∗ @ ^ ' →
FLASH	**Hyphen** button (To insert a hyphen.)
HANDSET LOCATOR	**Insert** button (To insert one character or one space.)
STOP	**Delete** button (To delete a character.)
▶	▶ key (To move the cursor to the right.) To enter another character using the same number key, move the cursor to the next space.
◀	◀ key (To move the cursor to the left.)

To select characters using (+) or (−)

Instead of pressing the dial keys, you can select characters using (+) or (−).

1. Press (+) or (−) until the desired character is displayed.

2. Press (▶) to move the cursor to the next space.
- The character displayed in step 1 is inserted.

3. Return to step 1 to enter the next character.

Display order of characters

Capital alphabet
↑↓
Number
↑↓
Symbol
↑↓
Lower case alphabet
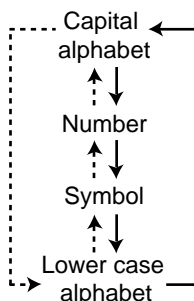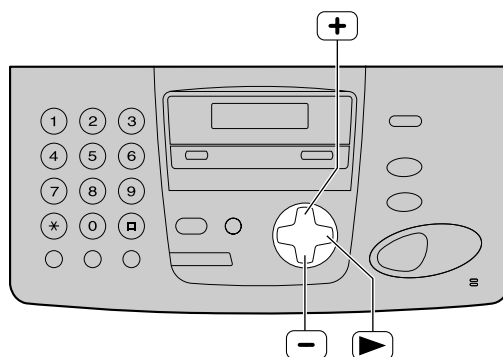
⟶ : Pressing (+)

--→ : Pressing (−)

Setup (Base Unit)

Setting your facsimile telephone number

1 Press **MENU**.

Display:
```
SYSTEM SET UP
PRESS NAVI.[◄ ►]
```

2 Press ◄ or ► until the following is displayed.
```
YOUR FAX NO.
       PRESS SET
```

3 Press **SET**.
```
NO.=
```

4 Enter your facsimile telephone number, up to 20 digits, using the dial keypad.

Example:
```
NO.=1234567
```

5 Press **SET**.
● The next feature will be displayed.
```
SENDING REPORT
MODE=ERROR   [±]
```

6 Press **MENU**.

Display

+ STOP (Delete)

FLASH (Hyphen) MENU ◄ ► SET

–
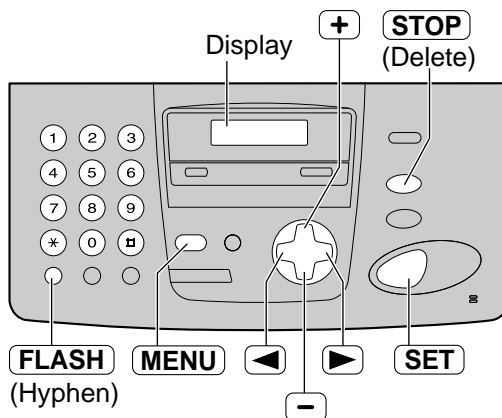
Note:
● You can enter your facsimile telephone number by pressing + or – in step 4. If you use + or –, press ► to move the cursor.
● The ✳ button replaces the digit with a "+" and the # button replaces it with a space.

Example (using the dial keypad): +234 5678

Press ✳ 2 3 4 # 5 6 7 8 .
● To enter a hyphen in a telephone number, press **FLASH** (Hyphen).

To correct a mistake

● Press ◄ or ► to move the cursor to the incorrect number, and make the correction.

To delete a number

● Move the cursor to the number you want to delete and press **STOP**.

For fax advantage assistance, call 1-800-435-7329.

Location

● Flashes when the battery needs to be charged (p. 22).

● Lights when the handset is in use (p. 25).

● To make/answer/end calls (p. 25).

● To change from pulse to tone during dialing.

● To turn on the monitor on the base unit using the handset.

● To access special telephone services such as call waiting or transfers of extension calls.

● To enter programming (p. 26, 27).

● For automatic dialing (p. 26).

● For most frequently dialed number (p. 27).

● To adjust volumes (p. 24).

● To redial the last number dialed.*
● To insert a pause during dialing.

● To receive a fax (p. 44).

● To select a clear channel (p. 25).

● Charge contacts (p. 22)

*Regardless of whether the base unit or the handset was used, the last number dialed will be redialed.

Setup (Handset)

Battery charge

Place the handset on the cradle of the base unit for about **4 hours** before initial use.

Slowly place the handset on the cradle vertically (①), then lean it back (②).
● A beep will sound and the following will be displayed for an instant time on the base unit.

Display:

CHARGING

↓

The display will show the date and time.

● If the base unit is in use, a beep may not sound and the above display may not be shown.

Note:
● **Clean the handset and the base unit charge contacts with a dry cloth once a month**, or the battery may not charge properly.
● The battery cannot be overcharged.
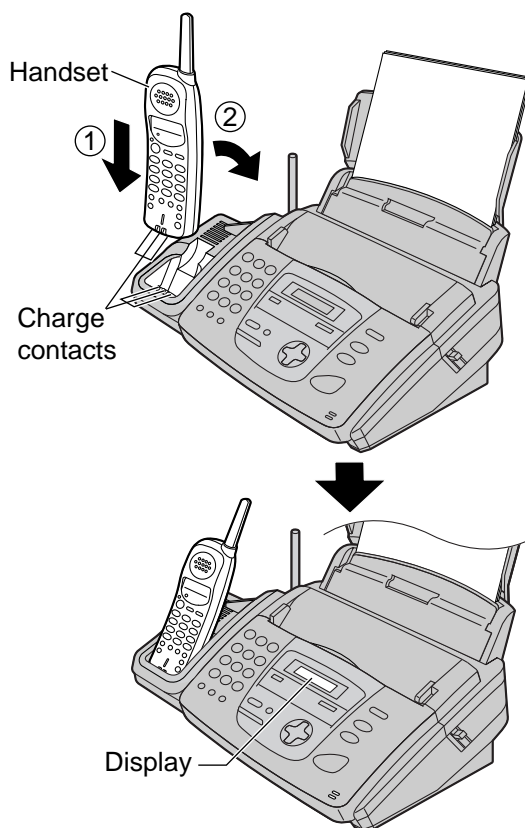
Battery life

If your Panasonic battery is fully charged;
— the battery life will last up to 8 hours while in use (in conversation).
— it will last for up to about 21 days while not in use (off the base unit).
● Battery life may vary depending on usage conditions and ambient temperature.

Recharge

Recharge the battery when:
— the handset beeps intermittently while it is in use, or
— the RECHARGE indicator flashes.
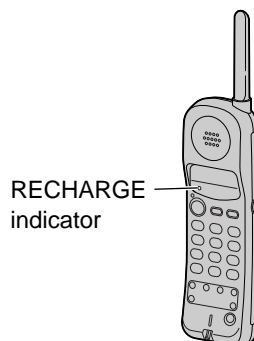
Automatic security code setting

Whenever you place the handset on the base unit, the unit will automatically select one of a million security codes. These codes help to avoid unauthorized use of your telephone line by another cordless telephone.

Belt clip and headset

Belt clip

■ **To install the belt clip**   ■ **To remove the belt clip**
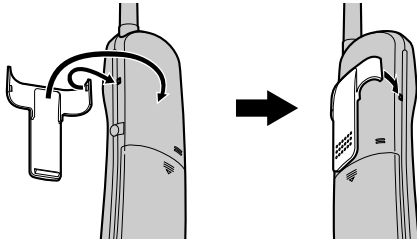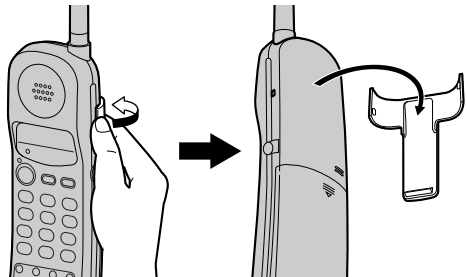
Headset (optional)

Plugging the headset into the handset allows a hands-free telephone conversation. For best results, use the Panasonic headset Model No. KX-TCA87. See page 8 for accessory information.

■ **To connect the headset**

Volumes

Adjusting handset volumes

Ringer volume

3 levels (high/low/off) are available.
Make sure the TALK indicator is off.

Press (**LOUD/RINGER**).

- The current ringer will sound.
- To change the volume, press (**LOUD/RINGER**) again within 5 seconds.

■ **To turn the ringer off:**

Press and hold (**LOUD/RINGER**) until you hear 2 beeps.

- To turn the ringer back on, press (**LOUD/RINGER**).

■ **While the ringer volume is set to off:**

When receiving a call, the handset will not ring, and the TALK indicator will flash.

Handset receiver volume

3 levels (high/middle/low) are available.
While talking, press (**LOUD/RINGER**).
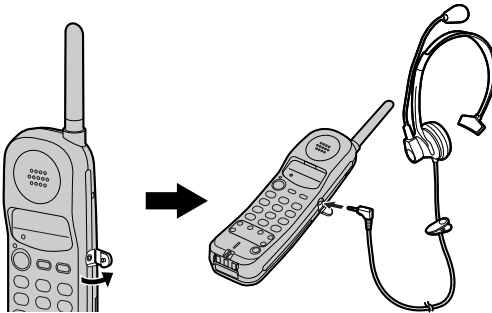
TALK indicator

(**LOUD/RINGER**)
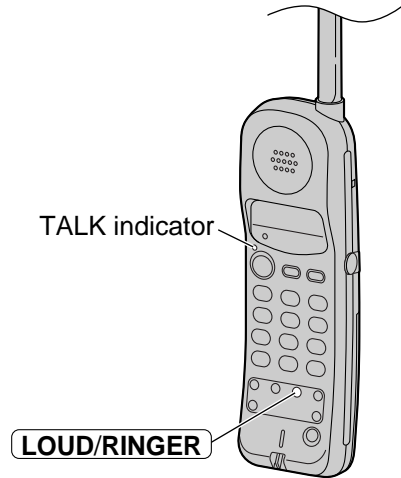
Adjusting base unit volumes

Ringer volume

4 levels (high/middle/low/off) are available.
While the unit is idle, press (+) or (−).

- If any documents are in the document entrance, you cannot adjust the ringer volume. Confirm that there are no documents in the entrance.

■ **To turn the ringer off:**

1. Press (−) repeatedly until the following is displayed.

Display:

```
RINGER OFF= OK?
YES:SET/NO:STOP
```

2. Press (**SET**).

```
         RINGER OFF
```

- To turn the ringer back on, press (+).

■ **While the ringer volume is set to off:**

When a call is received, the unit will not ring and will display the following.

```
INCOMING CALL
```

Ringer pattern

- You can select one of the three ringer patterns. Change the setting (feature #17 on page 57). The ringer pattern you selected will sound when the unit receives a call.

Monitor volume

8 levels (high to low) are available.
While using the monitor, press (+) or (−).

Display (+)

(−)   (**SET**)

For fax advantage assistance, call 1-800-435-7329.

Phone calls

Making a call

1 **Handset is off the base unit:**
Press (**TALK**).

Handset is on the base unit:
Lift the handset and press (**TALK**).

● The TALK indicator will light.

2 Dial the telephone number.
● If noise interferes with the conversation, press (**CH**) to select a clear channel or move closer to the base unit.

3 When finished talking, press (**TALK**) or place the handset on the base unit.

● The TALK indicator will turn off.

Note:
● You can also dial by pressing (**MONITOR**) on the base unit. When the other party answers, press (**TALK**).
● If short beeps sound when you press (**TALK**);
— move towards the base unit, or
— place the handset on the base unit.
Then try again.
● If (**TALK**) is pressed while using the base unit, the call is switched to the handset and the base unit is disconnected.

Answering a call

1 **Handset is off the base unit:**
Press (**TALK**) when the handset rings.
● You can also answer a call by pressing any dial key 0 to 9, ✳ or #.
(Any key talk feature)

Handset is on the base unit:
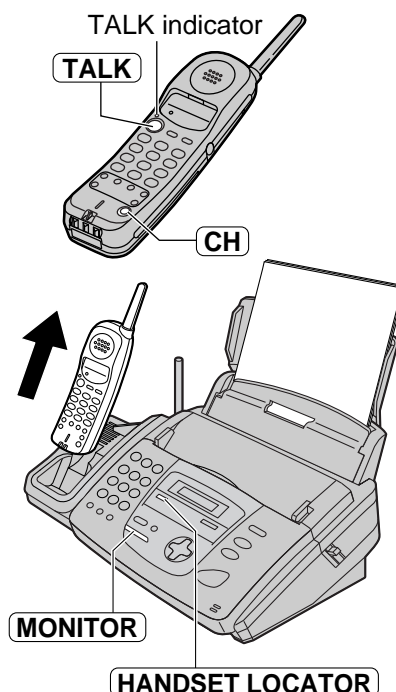Lift the handset when the base unit rings.

2 When finished talking, press (**TALK**) or place the handset on the base unit.

TALK indicator

(**TALK**)

(**CH**)

(**MONITOR**)

(**HANDSET LOCATOR**)

Paging the handset from the base unit (Handset locator)

Using this feature, you can locate the handset if it has been misplaced.

1. Base unit:
Press (**HANDSET LOCATOR**).
● The base unit will start paging the handset for 1 minute.
● To stop paging, press
(**HANDSET LOCATOR**) again.

2. Handset:
Press (**TALK**) to answer the paging.
● This operation can only be ended by pressing (**TALK**) on the handset again.

Automatic Dialing (Handset)

Phone calls using stored telephone numbers in the handset

Storing telephone numbers in the handset

You can store up to 10 telephone numbers in the handset. The dial keys (0 to 9) function as memory stations. **Make sure the TALK indicator is off.**

1 Press (**PROGRAM**).
● The TALK indicator will flash.

2 Enter the telephone number up to 22 digits.

3 Press (**AUTO**).

4 Press a memory station number (0 to 9).
● A long beep will sound.
● The TALK indicator will turn off.
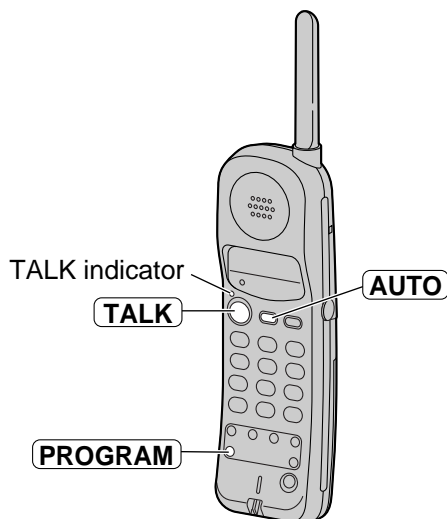
TALK indicator

TALK

AUTO

PROGRAM

To cancel during programming

● Press (**PROGRAM**).

To change a stored number

● Follow from step 1 and enter a new number.

To erase a stored number

1. Press (**PROGRAM**).

2. Press (**AUTO**).

3. Press the memory station number (0 to 9) you want to erase.
● A beep will sound, and erasing will be completed.

Making a phone call using stored numbers

1 Press (**TALK**).
● The TALK indicator will light.

2 Press (**AUTO**).

3 Press the desired memory station number (0 to 9).
● The stored telephone number will be dialed.

Phone calls using the DIRECT button ═══════

Storing a telephone number in the DIRECT button

You can store a most frequently dialed number in the (**DIRECT**) button. **Make sure the TALK indicator is off.**

1 Press (**PROGRAM**).
● The TALK indicator will flash.

2 Enter the telephone number up to 22 digits.

3 Press (**DIRECT**).
● A beep sounds.
● The TALK indicator will turn off.
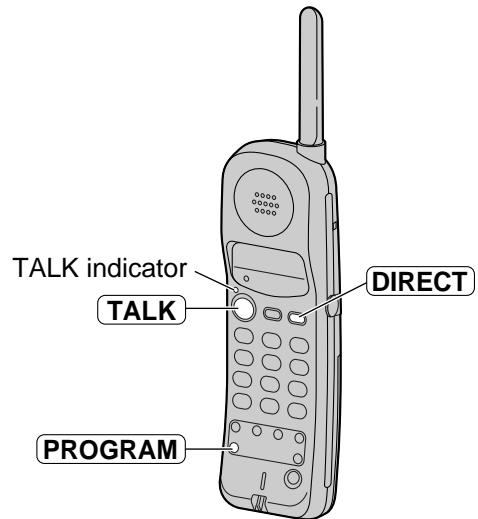
To cancel during programming

● Press (**PROGRAM**).

To change a stored number

● Follow from step 1 and enter a new number.

To erase a stored number

1. Press (**PROGRAM**).

2. Press (**DIRECT**).
● A beep will sound, and erasing will be completed.

TALK indicator

(**TALK**)

(**DIRECT**)

(**PROGRAM**)

Making a phone call using the DIRECT button

1 Press (**TALK**).
● The TALK indicator will light.

2 Press (**DIRECT**).
● The stored telephone number will be dialed.

Navigator Directory (Base Unit)

Storing names and telephone numbers in the directory

For rapid access to frequently dialed numbers, the unit provides the navigator directory (50 items).

For your convenience, the following item has been pre-programmed.
HELP-FAX (1-800-435-7329): If you cannot correct a problem after trying the help function (p. 9), call using this item (p. 30).
● If you do not need the above item, you can erase it (p. 29).

1 Press **MENU** until the following is displayed.

Display:
```
DIRECTORY SET
NAVI.=* BROAD=#
```

2 Press **✳** to select "NAVI.".
```
NAME=
STORE:PRESS SET
```

3 Enter the name, up to 10 characters (see page 19 for instructions).

Example:
```
NAME=Alice
STORE:PRESS SET
```

4 Press **SET**.
```
NO.=
```

5 Enter the telephone number, up to 30 digits, using the dial keypad.

Example:
```
NO.=5552233
```

● If you want to enter a hyphen, press **FLASH**.

6 Press **SET**.
```
REGISTERED
```
↓
```
NAME=
STORE:PRESS SET
```

● To program other items, repeat steps 3 to 6.

7 Press **MENU** to exit the program.

STOP (Delete)

MENU **◄** **►** **SET**

FLASH (Hyphen)
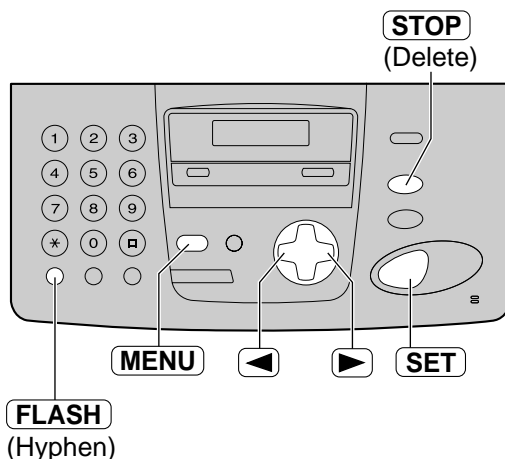
Helpful hint:
● You can confirm the stored items on the telephone number list (p. 76).

Note:
● When the following is displayed in step 6, you can store only 5 more items.

Display:
```
REGISTERED
SPACE= 5 DIRS.
```

● If there is no space to store new items, the following is displayed in step 6.
```
REGISTERED
DIRECTORY FULL
```

Press **STOP** to exit the program.
To store new items, erase unnecessary items (p. 29).

● A hyphen or a space entered in a telephone number counts as two digits.

To correct a mistake

● Press **◄** or **►** to move the cursor to the incorrect character/number, and make the correction.

To delete a character/number

● Move the cursor to the character/number you want to delete, and press **STOP**.

Editing and erasing a stored item

Editing a stored item

1 Press $\blacktriangleright$.

Display: `DIRECTORY  [+ -]`

2 Press $\boxed{+}$ or $\boxed{-}$ until the desired item is displayed.

Example:
```
Mary
0123456
```
$\updownarrow$
```
Mary
EDIT:PRESS MENU
```

3 Press $\boxed{\text{MENU}}$.

Example:
```
NAME=Mary
EDIT=* DELETE=#
```

4 Press $\boxed{*}$ to select "EDIT".

Example:
```
NAME=Mary
STORE:PRESS SET
```

● If you do not need to edit the name, skip to step 6.

5 Edit the name (see page 19 for instructions).

6 Press $\boxed{\text{SET}}$.

Example: `NO.=0123456`

● If you do not need to edit the telephone number, skip to step 8.

7 Edit the telephone number. For further details, see page 28.

8 Press $\boxed{\text{SET}}$.

`REGISTERED`
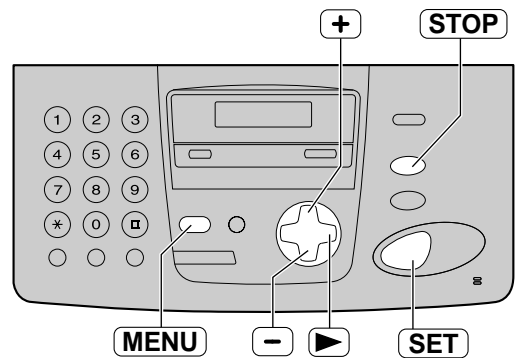
Erasing a stored item

1 Press $\blacktriangleright$.

Display: `DIRECTORY  [+ -]`

2 Press $\boxed{+}$ or $\boxed{-}$ until the desired item is displayed.

Example:
```
Peter
9876543
```
$\updownarrow$
```
Peter
EDIT:PRESS MENU
```

3 Press $\boxed{\text{MENU}}$.

Example:
```
NAME=Peter
EDIT=* DELETE=#
```

4 Press $\boxed{\#}$ to select "DELETE".

```
DELETE OK?
YES:SET/NO:STOP
```

● To cancel erasing, press $\boxed{\text{STOP}}$.

5 Press $\boxed{\text{SET}}$.

`DELETED`

● The stored name and number are deleted.

Making a phone call using the directory ══════

Before using this feature, program the desired names and telephone numbers into the directory (p. 28).

1 Press ▶.

Display:
```
DIRECTORY  [+ -]
```

2 Press + or − until the desired item is displayed.

Example:
```
Lisa
2233445
```
↕
```
Lisa
EDIT:PRESS MENU
```

● If the desired name has not been stored, press **STOP** and dial the number manually.

3 **Handset is off the base unit:**
Press **TALK** on the handset.

Handset is on the base unit:
Press **MONITOR** or lift the handset.

● The unit will start dialing automatically.

MONITOR
▶
+
−
STOP
TALK
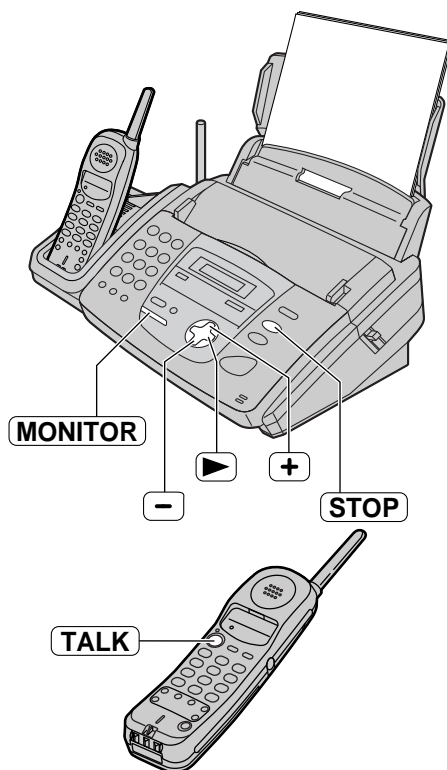
To search for a name by initial

Example: "Lisa"

1. Press ▶.

Display:
```
DIRECTORY   [+ -]
```

2. Press + or − until any name is displayed.

Example:
```
Alan
7891011
```
↕
```
Alan
EDIT:PRESS MENU
```

3. Press 5 repeatedly until any name with the initial "L" is displayed (see the character table on page 19).

Example:
```
Larry
12131415
```

● To search for symbols (not letters or numbers), press ＊.

4. Press + until "Lisa" is displayed.

Example:
```
Lisa
2233445
```

● To stop the search, press **STOP**.
● To make a call;
  – press **TALK** on the handset,
  – press **MONITOR**, or
  – lift the handset from the base unit.

Caller ID service from your phone company ═════

This unit is compatible with the Caller ID service offered by your local telephone company. To use this feature, you must subscribe to the Caller ID service.

Change the following ring settings to 2 or more rings beforehand.
— FAX ring setting (feature #06 on page 56)
— TEL/FAX ring setting (feature #78 on page 61)

How Caller ID is displayed

The calling party's name or telephone number will be displayed after the first ring.
You then have the option of whether or not to answer the call depending on the caller.

Example:
```
Chris Horner
1-654-987-3210
```

The unit will automatically store the caller information (name, telephone number and the time of the call). You can view the caller information (p. 32) and print the caller ID list (p. 76).

Note:
● If the unit is connected to a PBX (Private Branch Exchange) system, you may not receive the caller information. Consult your PBX supplier.
● If the unit cannot receive caller information, the following will be displayed.

```
OUT OF AREA
```
The caller dialed from an area which does not provide Caller ID service.

```
PRIVATE CALLER
```
The caller requested not to send caller information.

```
LONG DISTANCE
```
The caller made a long distance call.

To confirm caller information using the Caller ID list

The unit will store the 30 most recent caller information.
— To print manually, see page 76.
— To print automatically after every 30 new calls, activate feature #26 (p. 58).

Caller ID

Viewing and calling back using caller information

You can easily view caller information and call back.

Important:
● Calling back will not be possible in the following cases.
— The telephone number includes data other than numbers (i.e. ✳ or #).
— The caller information does not include a telephone number.

1 Press **CALLER ID**.

Example:
```
2 NEW CALLS
PRESS NAVI.[+ -]
```

(2 new calls are received)

2 Press **+** to show the most recent caller information.
Press **−** to show the calls which have already been viewed.
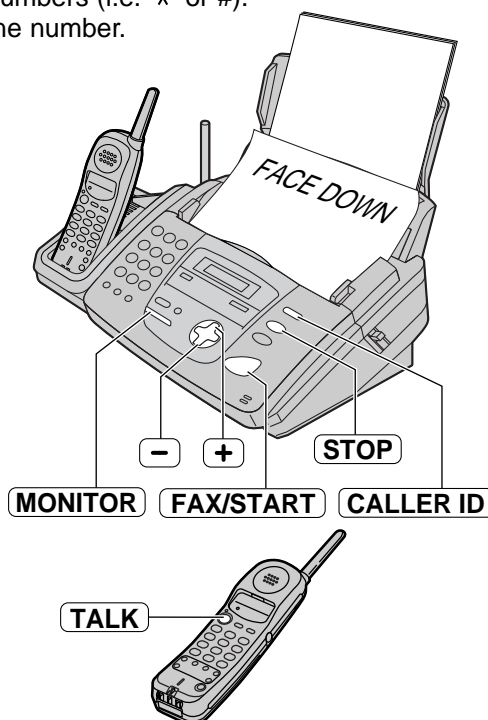
3 **Handset is off the base unit:**
Press **TALK** on the handset to call back the displayed party.

Handset is on the base unit:
Press **MONITOR** or lift the handset.

● The unit will start dialing automatically.
● To send a fax – insert the document FACE DOWN and press **FAX/START**.

− **+**   **STOP**

MONITOR **FAX/START** **CALLER ID**

TALK

To display the caller's telephone number
Press **CALLER ID** after step 2.

Example:
```
WENDY ROBERTS
11:20A Jul20    √
```
↔
```
1-345-678-9012
11:20A Jul20    √
```
— This means this call has already been viewed or answered.

To edit the telephone number for calling back
Press ✳ repeatedly after step 2.
Each time you press ✳, the telephone number will be changed as follows.

1. 1 – Area code – Local telephone number ("1" added)
2. Local telephone number (area code omitted)
3. Area code – Local telephone number
4. 1 – Local telephone number ("1" added and area code omitted)

Display while viewing

```
NO NAME RCVD
```
When the unit could not receive a name.

```
NO CALLER DATA
```
When no calls have been received.

To stop viewing
Press **STOP** after step 2.

Erasing all caller information

1 Press **MENU** until the following is displayed.

Display:
```
CALLER SET UP
      PRESS SET
```

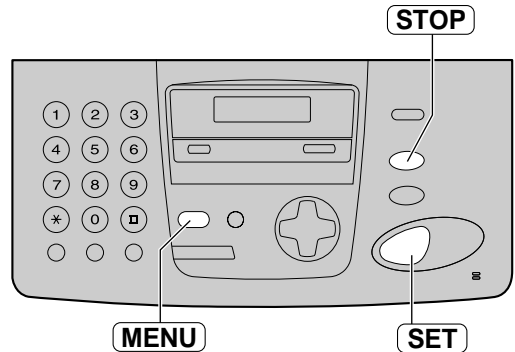**2** Press **SET**.

```
CALL LIST ERASE
      PRESS SET
```

3 Press **SET**.

```
ALL ERASE OK?
YES:SET/NO:STOP
```

● To cancel erasing, press **STOP**, then **MENU**.

4 Press **SET**.

```
ERASE COMPLETED
```

5 Press **STOP** to exit the program.

Storing caller information in the directory

Important:
● This feature is not available in the following cases.
  — The telephone number includes data other than numbers (i.e. ✳ or #).
  — The caller information does not include a telephone number.

1 Press **CALLER ID**.

Example:
```
2 NEW CALLS
PRESS NAVI.[+ -]
```

2 Press **+** or **−** until the item you want to store is displayed.

Example:
```
WENDY
11:50A Apr14
```

3 Press **MENU**.

Example:
```
NAME=WENDY
STORE:PRESS SET
```

4 Press **SET**.

Example:
```
NO.=13456789012
```

5 Press **SET**.

```
REGISTERED
```
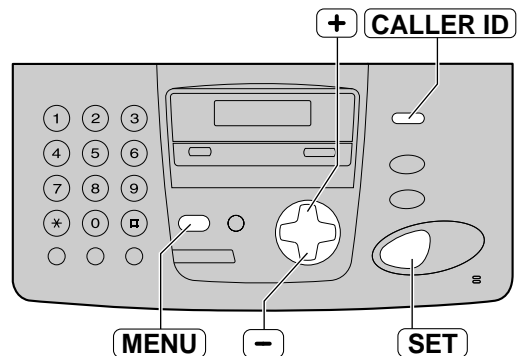
Note:
● You can confirm the stored items on the telephone number list (p. 76).
● The unit can only store a name of up to 10 characters long.
● To edit a name and number, see page 29.

Voice Contact

Talking to the other party after fax transmission or reception

You can talk to the other party after a fax message is completed. This will save the added expense and time of making another call.
This feature only works when the other party's fax machine is equipped with a voice contact feature.

Initiating voice contact

**1** Press (**MONITOR**) while transmitting or receiving documents.

Example:

| SENDING   P 1 |
| VOICE STANDBY |

- Your unit will call the other party with a distinctive ring.
- When the other party answers, your unit will emit a distinctive ring.

2 To start talking:
– lift the handset from the base unit, or
– press (**TALK**) on the handset.

Note:
- If you initiate voice contact during transmission, the unit will call you with a distinctive ring after all of the documents have been transmitted.
- If you initiate voice contact during reception, the unit will call you with a distinctive ring after the current page of the document is received.

(**MONITOR**)
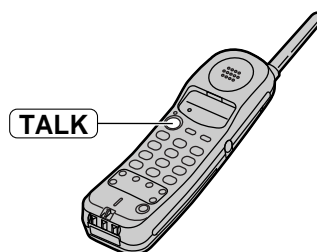
(**TALK**)

Receiving a request for voice contact

1 If the other party initiates voice contact, your unit will sound a distinctive ring and the following will be displayed.

Display:

| PLEASE PICK UP |

2 To start talking:
– lift the handset from the base unit, or
– press (**TALK**) on the handset,
within 10 seconds of the distinctive ring.

Note:
- If you do not answer within 10 seconds of the distinctive ring, the line will be disconnected.

Sending a fax manually

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display:
```
     STANDARD
PRESS NAVI.[+ –]
```

3 If necessary, press `+` or `–` repeatedly to select the desired resolution (see below).

4 Press **MONITOR** .
```
TEL=
PRESS NAVI. [ ► ]
```

5 Dial the fax number.

Example: `TEL=5678901`

6 **When a fax tone is heard:**
Press **FAX/START** .
OR
When the other party answers your call:
Lift the handset from the base unit or press **TALK** and ask them to press their start button. When the fax tone is heard, press **FAX/START** .

```
CONNECTING.....
    STANDARD   [±]
```

Document guides

MONITOR
–
REDIAL
+ **STOP**
FAX/START

To redial the last number
Press **REDIAL** .
● If the line is busy, the unit will automatically redial the number up to 2 times.
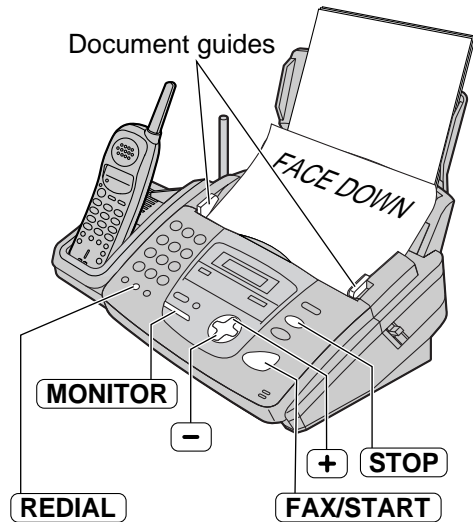● During redial, the following will be displayed.

Display: `WAITING REDIAL`

● To cancel redialing, press **STOP** .

Convenient way to send a fax
You can dial the fax number first before inserting the document. This is convenient if the other party's number is indicated on the document.
1. Enter the fax number.
2. Insert the document.
3. Press **FAX/START** .

To select the resolution
Select the desired resolution according to the type of document.

– **STANDARD:** For printed or typewritten originals with normal-sized characters.
– **FINE:** For originals with small printing.
– **SUPER FINE:** For originals with very small printing. This setting only works with other compatible fax machines.
– **PHOTO:** For originals containing photographs, shaded drawings, etc.
● Using the "FINE", "SUPER FINE", or "PHOTO" setting will increase transmission time.
● If the resolution setting is changed during feeding, it will be effective from the next sheet.

Quick scan feature
With this feature, the unit will scan the document into memory before sending. This is helpful when you want to remove the document for other uses. To use this feature, activate feature #34 on page 59 and make a fax transmission. After storing, the unit will transmit the document.
● If the document exceeds the memory capacity (p. 80), sending will be canceled and this feature will be turned off automatically. Transmit the entire document manually.

To stop transmission
Press **STOP** .

Sending Faxes

Reports for confirmation

Sending report

This report will provide you with a printed record of transmission results. To use this feature, activate feature #04 (p. 56). For the communication message in the result column, see page 62.
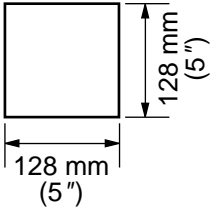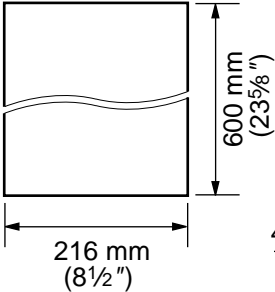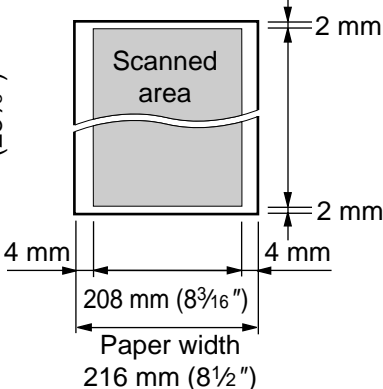
Journal report

The unit stores the 30 most recent fax communication results.

— To print manually, see page 76.

— To print automatically after every 30 new fax communications, activate feature #22 (p. 58).

For the communication message in the result column, see page 62.

Documents you can send

Minimum size

128 mm (5″)

128 mm (5″)

Maximum size

600 mm (23⅝″)

216 mm (8½″)

Effective scanning area

Scanned area

2 mm

2 mm

4 mm

4 mm

208 mm (8³⁄₁₆″)

Paper width
216 mm (8½″)

Document weight

Single sheet:
    45 g/m² to 90 g/m²
    (12 lb. to 24 lb.)

Multiple sheets:
    60 g/m² to 75 g/m²
    (16 lb. to 20 lb.)

Note:

● Remove clips, staples or other similar fasteners.

● Check that ink, paste or correction fluid has dried.

● Do not send the following types of documents. Use copies for fax transmission.

  — Chemically treated paper such as carbon or carbonless duplicating paper

  — Paper with printing on the opposite side that can be seen through the front (e.g. newspaper)

  — Electrostatically charged paper

  — Badly curled, creased or torn paper

  — Paper with a coated surface

  — Paper with a faint image

● To transmit the document(s) with a width of less than standard letter size (216 mm), we recommend using a copy machine to copy the original document on to a letter size paper, then transmit the copied document.

To transmit more than 10 pages at a time

● Insert the first 10 pages of the document. Add the other pages (10 at a time) before the last page is fed into the unit.

Sending a fax using the directory

Before using this feature, program the desired names and telephone numbers into the directory (p. 28).

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display:
```
    STANDARD
PRESS NAVI.[+ -]
```

3 If necessary, press [+] or [−] repeatedly to select the desired resolution (p. 35).
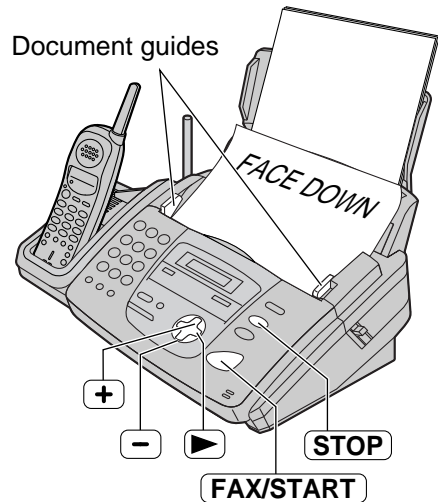
4 Press [▶].
```
DIRECTORY   [+ -]
```

5 Press [+] or [−] to display the desired item.

Example:
```
Sam
1789653
```

● For further details about using the directory, see page 30.

6 Press [**FAX/START**].

Document guides

Fax auto redial

If the line is busy or if there is no answer, the unit will automatically redial the number up to 2 times.
● This feature is also available for delayed transmission (feature #25 on page 58).
● During redial, the following will be displayed.

Display: `WAITING REDIAL`

● To cancel redialing, press [**STOP**].

If your unit does not send a fax

● Confirm the stored telephone number on the display and check that the number dialed is answered by the other party's machine (p. 30).
● The connecting tone will be heard during dialing to tell you the status of the other party's machine (feature #76 on page 61).

Sending Faxes

Broadcast transmission

This feature is useful for sending the same document to selected parties (up to 20 items).
First program the items, then see page 41 for transmission.

● To send to selected parties only once, see page 41.

Programming the items in the broadcast memory

1 Press (**MENU**) until the following is displayed.

Display:
```
DIRECTORY SET
NAVI.=* BROAD=#
```

2 Press #⃞ to select "BROAD".

```
DIR=        [00]
NAVI.[+ -] & SET
```

3 Press +⃞ or −⃞ until the desired item is
displayed.

Example:
```
MIKE
1-987-654-3210
```
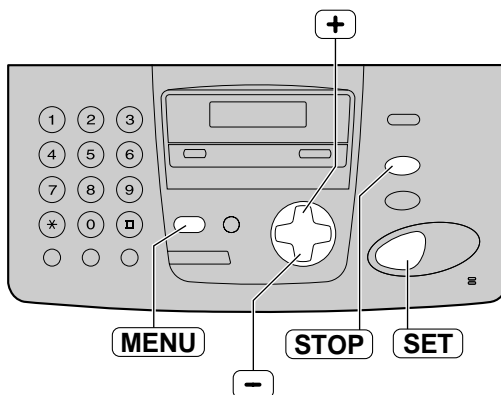
4 Press (**SET**) .

Example:
```
DIR=MIKE    [01]
STORE:PRESS SET
```

● To program other items, repeat steps 3 and
4 (up to 20 items).

5 Press (**SET**) to exit the program.

```
     REGISTERED
```

Note:

● If you enter the wrong item, press (**STOP**) after
step 4 to erase the item.
● Confirm the stored items by printing a broadcast
programming list (p. 76).

Adding a new item in the broadcast memory

1 Press ▶ .
● Confirm that there are no documents in the document entrance.

Display:
```
DIRECTORY   [+ -]
```

2 Press (+) or (−) until the following is displayed.
```
<BROADCAST>
EDIT:PRESS MENU
```

3 Press (MENU) .
```
BROADCAST
ADD=* DELETE=#
```

4 Press * to select "ADD".

5 Press (+) or (−) until the desired item you want to add is displayed.

Example:
```
Mary
1-584-372-4123
```
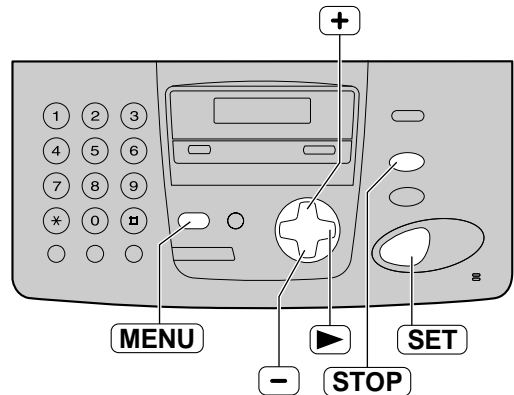
6 Press (SET) .
```
        REGISTERED
```
↓

Example:
```
Nikki
1-385-217-9365
```

● To add other items, repeat steps 5 and 6 (up to 20 items).

7 Press (STOP) to exit the program.

Sending Faxes

Erasing a stored item in the broadcast memory

1 Press ▶.
   ● Confirm that there are no documents in the
   document entrance.

   Display: | DIRECTORY   [+ -]

2 Press + or − until the following is
   displayed.

   | <BROADCAST>
   | EDIT:PRESS MENU

3 Press **MENU**.

   | BROADCAST
   | ADD=✳ DELETE=#

4 Press # to select "DELETE".

5 Press + or − until the desired item you
   want to erase is displayed.

   Example: | Dick
   | 1-328-143-2968

   ● To cancel erasing, press **STOP**.

6 Press **SET**.

   | DELETE OK?
   | YES:SET/NO:STOP

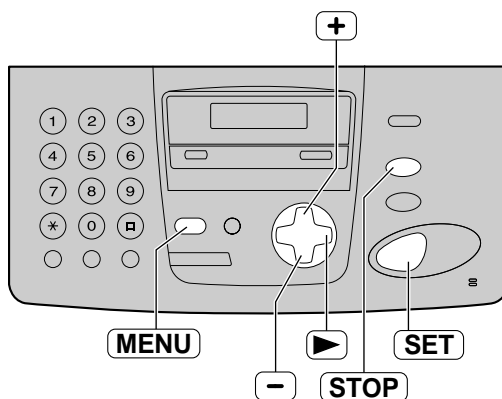**7** Press **SET**.

   | DELETED

   ↓

   Example: | Bob
   | 0123456

   ● To delete other items, repeat steps 5 to 7.

8 Press **STOP** to exit the program.

Sending the same document to pre-programmed parties

1 Insert the document FACE DOWN.
  ● If necessary, press ⊕ or ⊖ repeatedly to select the desired resolution (p. 35).

2 Press ▶.

Display: | DIRECTORY [+ -]

3 Press ⊕ or ⊖ until the following is displayed.

| <BROADCAST>
| SEND:PRESS SET

4 Press **SET**.
  ● The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each item, calling each number sequentially.
  ● After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report.
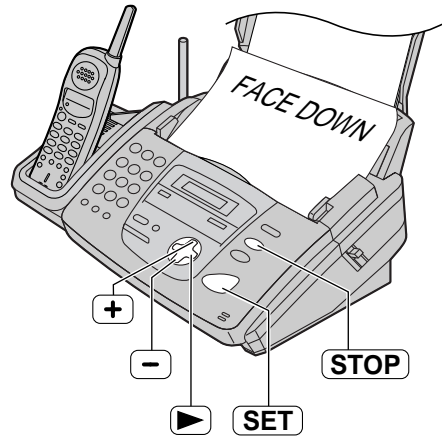
Note:
● If you select the "FINE", "SUPER FINE" or "PHOTO" resolution, the number of pages that the unit can transmit will decrease.
● If the document exceeds the memory capacity (p. 80), sending will be canceled.
● If one of the items is busy or does not answer, the item will be skipped. All skipped items will be redialed up to 2 times after all of the other items have been called.

To send to selected parties only once

You can also select the parties for each transmission.

1. Follow steps 1 and 2 above.

2. Press ⊕ or ⊖ until the following is displayed.

Display: | <ONE TIME BROAD>
| PRESS SET

3. Press **SET** to start programming the items you want to transmit.

| DIR=   [00]
| NAVI.[+ -] & SET

4. Press ⊕ or ⊖ until the desired item you want to transmit is displayed.

Example: | Bill
| 6543210

5. Press **SET**.

Example: | DIR=Bill   [01]
| SEND:PRESS SET

  ● To program other items, repeat steps 4 and 5 (up to 20 items).

6. Press **SET** to start transmission to the programmed items.

To cancel the broadcast setting

1. Press **STOP** while the unit displays the following.

Display: | BROADCASTING

● The display will show the following.

| SEND CANCELED?
| YES:SET/NO:STOP

2. Press **SET**.

Receiving Faxes

Setting the unit to receive faxes

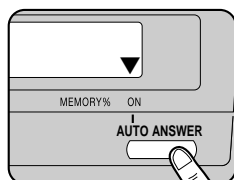|	**Use only as a fax**	**With answering machine**
How you want the unit to receive calls	**You have a separate telephone line just for faxes.**	External telephone answering machine (not included) **You want to use the fax machine with an answering machine.**
You have to set this.	**FAX ONLY mode** (p. 45) Turn AUTO ANSWER on by pressing **AUTO ANSWER** . MEMORY% ON AUTO ANSWER ● The arrow (▼) is shown on the right of the display.	**Activating an answering machine** (p. 48) Connect an external telephone answering machine and change the ring setting of the answering machine to less than 4. ● Change the ring setting in FAX ONLY mode of the fax machine to "5 EXT.TAM", if you use with AUTO ANSWER on.
This is how the unit will operate.	**When receiving calls:** All incoming calls will be answered as faxes.	**When receiving phone calls:** The answering machine will record voice messages. **When receiving faxes:** The fax machine will disconnect the answering machine and receive documents.

Voice mail service (Distinctive Ring)

2-number example

To the same line
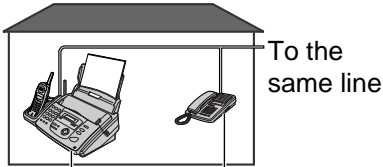
Facsimile No. (555-1333) Telephone No. (555-1111)

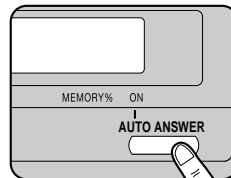**You need to subscribe to Distinctive Ring Service.**

↓

Setting the Distinctive Ring pattern (p. 51)

Select the same ring pattern assigned to the facsimile number. (Default setting is B.)
A: Standard ring (one long ring)
B: Double ring (two short rings)
C: Triple ring (short-long-short rings)
D: Other triple ring (short-short-long rings)

↓

When the fax machine detects a call matching the selected Distinctive Ring pattern: The fax machine will activate the fax function.

When the fax machine detects other ring patterns: The fax machine will operate based on the AUTO ANSWER setting.

Mostly phone calls

Ring Ring Ring ⋮

You plan to answer the calls yourself.

↓

TEL mode (p. 44)
Turn AUTO ANSWER off by pressing **AUTO ANSWER** .

MEMORY% ON
AUTO ANSWER

● The arrow (▼) is not shown on the right of the display.

↓

When receiving calls:
You have to answer all calls manually.
To receive a fax document, press **FAX/START** for each fax receiving.

Other options

TEL/FAX mode

If you are near the unit and want to use it to receive phone calls yourself and faxes automatically, see pages 46 and 47.

Remote fax activation

You can also receive a fax using an extension telephone. While hearing a fax calling tone with an extension telephone, press ✳ 9 (pre-selected fax activation code) to receive a fax (p. 49).

Receiving Faxes

TEL mode (answering all calls manually)

Activating TEL mode

If the arrow (▼) is shown on the right of the display, turn it off by pressing **AUTO ANSWER** .

Display:

```
TEL MODE
```
**ON**

Receiving a fax

1 **Handset is off the base unit:**
Press **TALK** when the handset rings.
Handset is on the base unit:
Lift the handset when the base unit rings.

2 When:
— document reception is required,
— a fax calling tone (slow beep) is heard, or
— no sound is heard,
press **FAX/START** on the base unit or press **FAX** on the handset **until a single beep is heard.**

```
CONNECTING.....
```

● The unit will start fax reception.

AUTO ANSWER   **STOP**

FAX/START

TALK

FAX
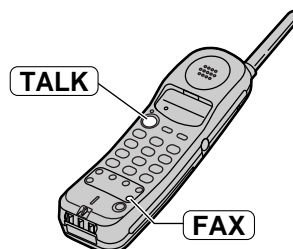
Note:
● If you do not answer the call within 10 rings, the unit will temporarily switch to the fax. The other party can send a fax.
● Up to 30 sheets of printed paper can be held. Remove the printed paper before it exceeds 30 sheets.

To stop receiving

Press **STOP** .

Friendly reception feature

When you answer a call and hear a fax calling tone (slow beep), the unit will automatically start fax reception.
● If this feature is not required, set feature #46 to off (p. 60).

Fax reception in memory

When a printing problem is detected, the unit will temporarily store the received document into memory.
While the document is in memory:
— the display will show an error message and the following alternately,

Display:

```
FAX IN MEMORY
```

— slow beeps will sound if feature #44 is set to on (p. 60).
● Follow the instructions on pages 63 and 64 to solve the problem.
● For memory capacity, see page 80.

FAX ONLY mode (all calls are received as faxes)

Activating FAX ONLY mode

1 Set feature #77 to "FAX ONLY" (p. 61).

2 If the arrow (▼) is not shown on the right of the display, turn it on by pressing **AUTO ANSWER** .
- The display will show the number of rings before the unit answers a call in FAX ONLY mode.

Display:
```
PICKUP & RCV FAX
AFTER 3 RINGS[±]
```

3 If you wish to change the ring setting, press **+** or **−** until the desired number is displayed, and press **SET** .

```
                                    ▼
                                    ON
```
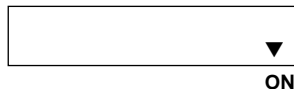
- When receiving calls, the unit will automatically answer all calls and only receive fax documents.

Note:
- If the arrow (▼) is already shown on the right of the display and you wish to change the ring setting, turn the arrow off once then on again by pressing **AUTO ANSWER** and follow the instructions in step 3.
- This mode should not be used with a telephone line which is used for both phone calls and faxes. Fax communication will be attempted even if someone is trying to call you. We recommend the following setup.

Example:

+

−   **SET**

AUTO ANSWER

Line 1
– Phone calls

Line 2
– Faxes
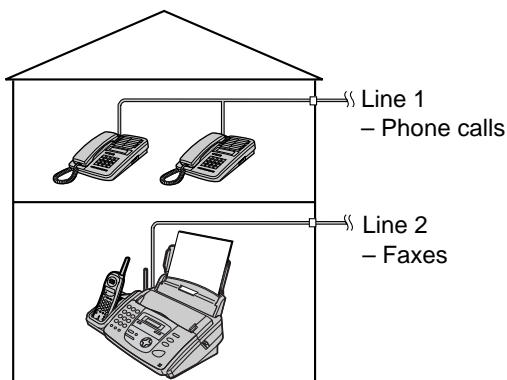
Only a fax machine is connected.
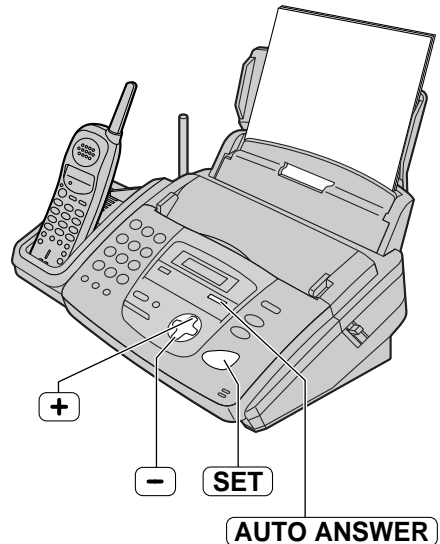
Receiving Faxes

TEL/FAX mode
(receiving phone calls with ring signals and faxes without ring signals when you are near the unit)
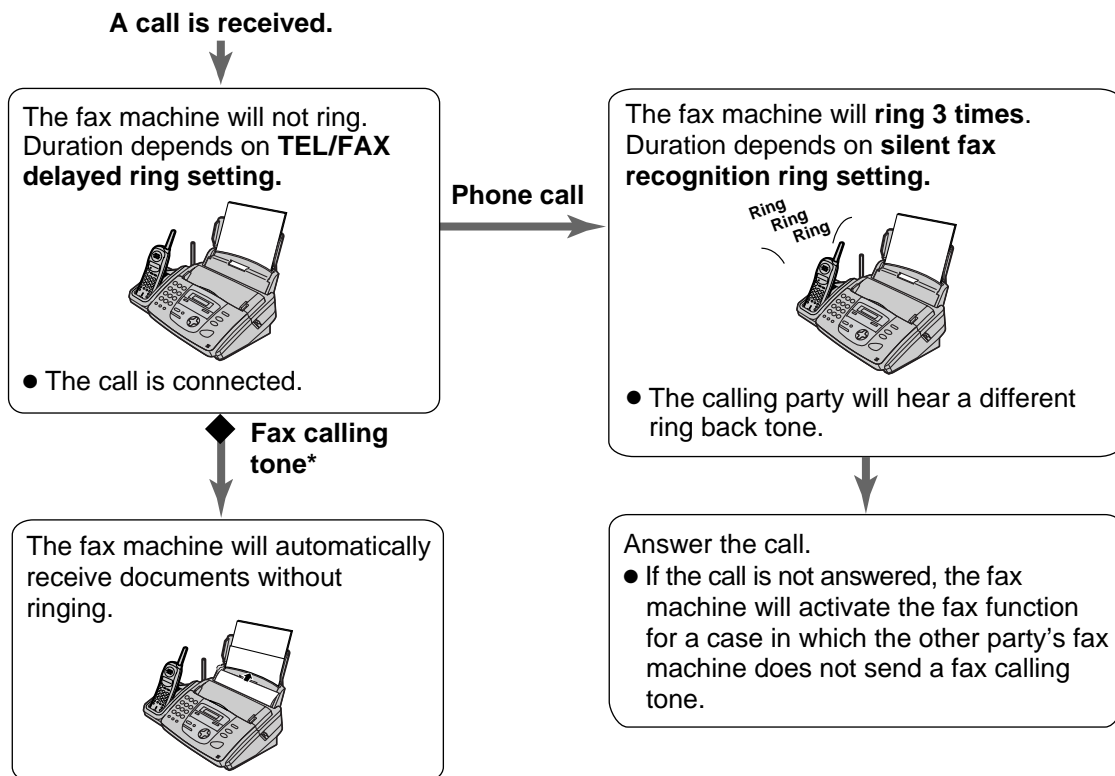
Use this mode when you are always near the fax machine, and want to receive faxes without the unit ringing. When a call is received, the fax machine will work as follows. To set TEL/FAX mode, see below.

A call is received.

The fax machine will not ring. Duration depends on **TEL/FAX delayed ring setting.**

● The call is connected.

Phone call

Fax calling tone*

The fax machine will automatically receive documents without ringing.

The fax machine will **ring 3 times**. Duration depends on **silent fax recognition ring setting.**

● The calling party will hear a different ring back tone.

Answer the call.
● If the call is not answered, the fax machine will activate the fax function for a case in which the other party's fax machine does not send a fax calling tone.

* A fax calling tone is automatically generated by the sending fax machine. Some fax machines do not have this capability.

Note:
● The base unit will display the following when a call is received.
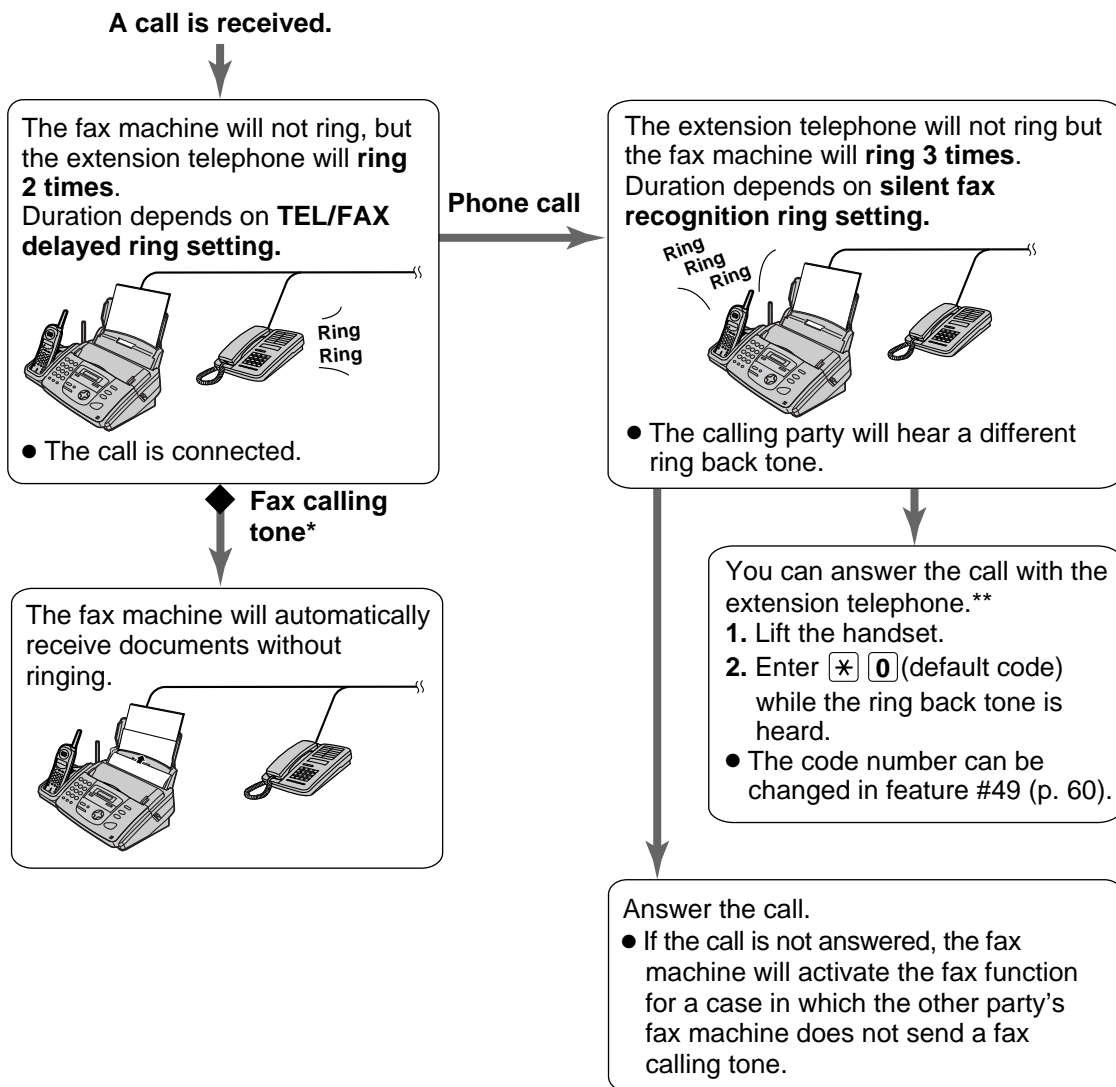
Display: | INCOMING CALL |

● The ringer should be on (p. 24).
● If the ring detection (p. 51) is set and a different ring pattern is received, the unit will not receive the fax automatically.

To set TEL/FAX mode

1. Set feature #77 to "TEL/FAX" (p. 61).
2. If the arrow (▼) is not shown on the right of the display, turn it on by pressing (**AUTO ANSWER**).

Display: | ▼ |

ON

46

When an extension telephone is connected

A call is received.

The fax machine will not ring, but the extension telephone will **ring 2 times**.
Duration depends on **TEL/FAX delayed ring setting.**

Ring
Ring

● The call is connected.

Phone call

Fax calling tone*

The fax machine will automatically receive documents without ringing.

The extension telephone will not ring but the fax machine will **ring 3 times**.
Duration depends on **silent fax recognition ring setting.**

Ring
Ring
Ring

● The calling party will hear a different ring back tone.

You can answer the call with the extension telephone.**
1. Lift the handset.
2. Enter $\ast$ 0 (default code) while the ring back tone is heard.
● The code number can be changed in feature #49 (p. 60).

Answer the call.
● If the call is not answered, the fax machine will activate the fax function for a case in which the other party's fax machine does not send a fax calling tone.

* A fax calling tone is automatically generated by the sending fax machine. Some fax machines do not have this capability.

** This feature may not function depending on the type of an extension telephone. If the fax machine activates the fax function, press **STOP** on the fax machine to talk with the calling party.

TEL/FAX delayed ring setting

The number of rings generated before the fax machine answers depends on the setting of feature #78 on page 61. The fax machine will not generate an audible ring during this time.

Silent fax recognition ring setting

The fax machine generates audible rings to indicate that it is receiving a phone call. The number of rings generated depends on the setting of feature #30 on page 59. This signal will not ring at an extension telephone.

Receiving Faxes

Using the unit with an answering machine ━━━━

Setting up the fax machine and an answering machine

1 Connect the answering machine.

Remove the stopper and connect the cord.

Telephone line cord (not included)

Answering machine (not included)
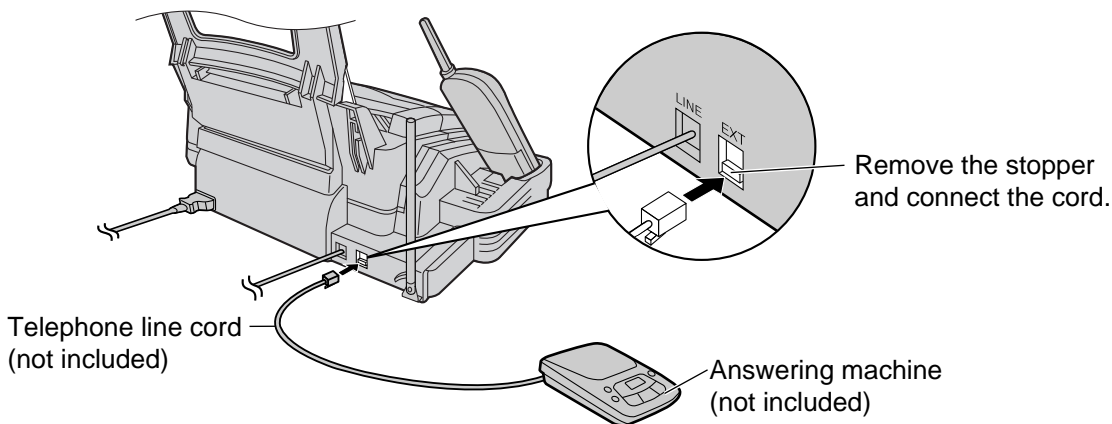
2 Set the number of rings on the answering machine to less than 4.
● This will allow the answering machine to answer the call first.

3 Record a greeting message on the answering machine.
Example: *"This is (your name, business and/or telephone number). We are unable to answer the phone right now. To send a fax, start transmission. To leave a message, please speak after the beep. Thank you."*
● We recommend you record your message around 10 seconds long and not to pause for more than 4 seconds during the message. Otherwise, both machines will not function correctly.

4 Activate the answering machine.

5 Set the fax machine to TEL mode (p. 44) or FAX ONLY mode (p. 45).
● If you set to FAX ONLY mode, **change the ring setting in FAX ONLY mode to "5 EXT.TAM" (feature #06 on page 56)**. Using FAX ONLY mode will allow you to receive faxes if the answering machine is full.

6 Check the remote access code of the answering machine and program the same code into the remote operation ID of the fax machine. See feature #12 on page 57.

How the fax machine and answering machine work

Receiving phone calls
The answering machine will record voice messages automatically.

Receiving faxes
The fax machine will receive documents automatically when the machine detects a fax calling tone.

Receiving a voice message and fax document in one call
The answering machine will record the voice message first. The fax machine will then be activated by the caller's request and will receive the document.

Note:
● Every time the fax machine receives a document, a silent pause or fax tone may be recorded on the answering machine.

Receiving a voice message and fax document in one call

The caller can leave a voice message and send a fax document during the same call.
Inform the caller of the following procedure beforehand.

1. The caller calls your fax machine.
   - The answering machine will answer the call.
2. The caller can leave a message after the greeting message.
3. The caller presses ✱ 9 (pre-selected fax activation code).
   - The fax machine will activate the fax function.
4. The caller presses the start button to send a document.

Note:
- The fax activation code can be changed in feature #41 (p. 60).
- If the wrong fax activation code is entered, the caller must wait at least 5 seconds to reenter the correct code.

Extension telephone

If you use the fax machine with an extension telephone, you can receive fax documents using the extension telephone. You do not have to press (**FAX/START**) on the fax machine.

Important:
- Use a touch tone telephone as the extension telephone and enter the fax activation code **firmly.**

1 When the extension telephone rings, lift the handset of the extension telephone.

2 When:
— document reception is required,
— a fax calling tone (slow beep) is heard, or
— no sound is heard,
press ✱ 9 (pre-selected fax activation code) **firmly**.

To the EXT jack or the same line

Extension telephone

3 Hang up the handset.
   - The fax machine will start reception.
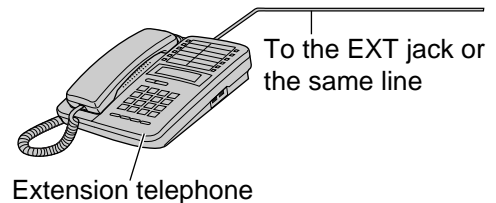
Note:
- You can change the fax activation code in feature #41 (p. 60).

Receiving Faxes

Pager call

This feature allows your unit to call your pager when your unit receives a fax document.

1 Press **MENU** .

Display:
```
SYSTEM SET UP
PRESS NAVI.[ ◄ ► ]
```

2 Press ⊞ , then **7** **0** .
```
FAX PAGER CALL
MODE=OFF    [ ± ]
```

3 Press **+** or **−** to select "ON".
```
FAX PAGER CALL
MODE=ON     [ ± ]
```

● If this feature is not required, select "OFF".

4 Press **SET** .
```
NO.=
```

5 Enter your pager number up to 30 digits.

Example:
```
NO.=12025551234
```

6 Press **SET** .
```
PIN=
```

7 Enter your pager access code up to 10 digits if required.

Example:
```
PIN=12345678
```

8 Press **SET** .
```
MSG.=07734
```

● The default code 07734 will show "Hello!" on your pager.
● If you want to change this message, enter your message up to 30 digits.

9 Press **SET** .
● The unit will dial the stored number.
```
PAGER TEST
```

10 Check that your pager received the pager test call.

11 Press **MONITOR** .

MENU   **−**   **SET**

MONITOR
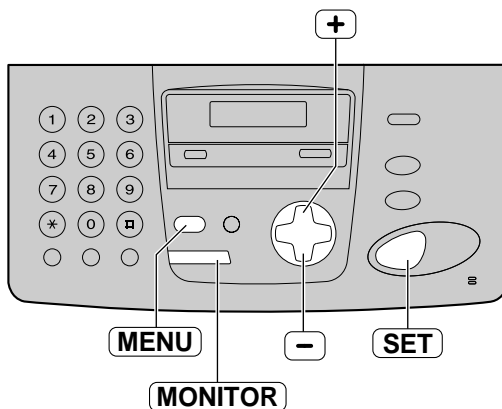
Note:
● If you have subscribed to a Caller ID service, your pager will display the caller's telephone number instead of the message.

Using with a voice mail service

Important:

● **When you have a single telephone line and subscribe to a telephone company's voice mail service, you must also subscribe to the Distinctive Ring Service if you want to receive faxes automatically as well as voice messages. For more information about telephone services, contact your telephone company.**

When you subscribe to Distinctive Ring Service, your telephone company will assign you a new fax number and will also tell you the assigned ring pattern. Please complete the following setup on your fax machine to identify the assigned ring pattern.

1 Press (**MENU**).

Display:
```
SYSTEM SET UP
PRESS NAVI.[◄ ►]
```

2 Press (♯), then (**3**)(**1**).
```
RING DETECTION
MODE=B        [±]
```

3 Press (**+**) or (**−**) to select the ring pattern assigned by the telephone company.

A: Standard ring (one long ring)
B: Double ring (two short rings) (**default setting**)
C: Triple ring (short-long-short-rings)
D: Other triple ring (short-short-long rings)
OFF: Turns off the feature

4 Press (**SET**).
```
SETUP ITEM [   ]
```

5 Press (**MENU**) to exit the program.
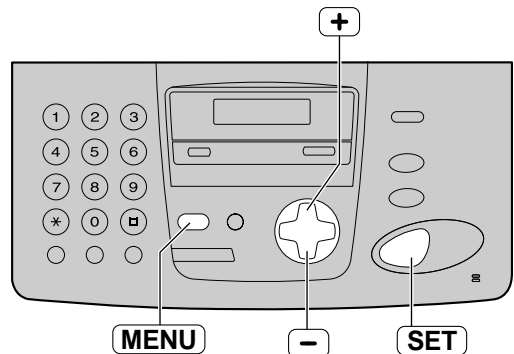
Note:
●Once you have programmed the assigned ring pattern into the fax machine, turn AUTO ANSWER off so that the fax machine is in TEL mode.
●In TEL mode, the fax machine will recognize incoming faxes on the first ring pattern and answer automatically. For phone calls, the fax machine will ring as a normal call.

Copying

Making a copy

The unit can make single or multiple copies (up to 50).

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display:

```
    STANDARD
PRESS NAVI.[+ -]
```

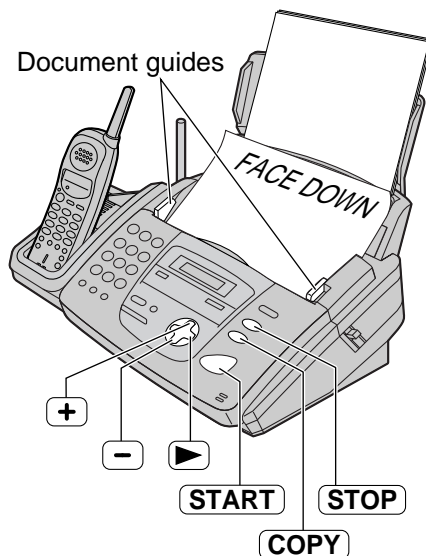- If necessary, press ⊕ or ⊖ repeatedly to select the desired resolution (see below).

3 Press **COPY** .

```
NUMBER=1
COPY:PRESS START
```
↕
```
NUMBER=1
OR PRESS NAVI. ▶
```

- If necessary, enter the number of copies (up to 50).

4 Press **START** .
- The unit will start copying.

Document guides

FACE DOWN

⊕
⊖ ▶
START **STOP**
COPY

Note:
- Any transmittable document can be copied (p. 36).

To select the resolution

Select the desired resolution according to the type of document.

– **FINE**: For printed or typewritten originals with small printing.
– **SUPER FINE**: For originals with very small printing.
– **PHOTO**: For originals containing photographs, shaded drawings, etc.

- If you select "STANDARD", copying will be done using "FINE" mode.

You can also select the resolution after pressing **COPY** in step 3.

1. Press ▶ 3 times.

Display:

```
STANDARD    [+ -]
        <NUMBER>▶
```

2. Press ⊕ or ⊖ repeatedly to select the desired resolution.

Quick scan feature

With this feature, the unit can scan the document into memory before copying. This feature is helpful when you want to remove the document for other uses. To use this feature, activate feature #34 on page 59 and make a copy. After storing, the unit will print the document.

- If the document exceeds the memory capacity (p. 80), copying will be canceled and this feature will be turned off automatically.

To stop copying

Press **STOP** .

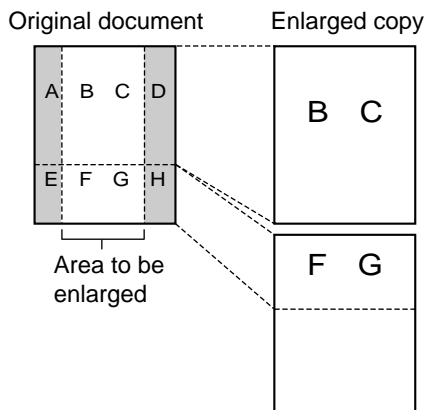# Convenient way to make a copy

To enlarge a document

1. Press ▶ in step 3 on page 52.

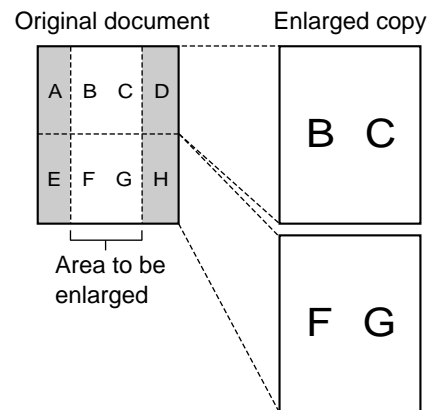Display:
```
ZOOM 100%  [+ -]
      <COLLATE>▶
```

2. Press ➕ to select "150%" or "200%".
● The unit will only enlarge the center most part of the document, printing it on two pages.

Example of a 150% enlarged copy

Original document   Enlarged copy

A B C D
E F G H

B C

Area to be enlarged

F G

Example of a 200% enlarged copy

Original document   Enlarged copy

A B C D
E F G H

B C

Area to be enlarged

F G

To reduce a document

1. Press ▶ in step 3 on page 52.

Display:
```
ZOOM 100%  [+ -]
      <COLLATE>▶
```

2. Press ➖ to select "92%", "86%" or "72%".
● See below for the recommended reduction rates.

Setting	Size of recording paper	Size of original document
100% (default)	Letter	Letter
	Legal	Letter, A4, Legal
	A4	A4, Letter
92%	Letter	A4
86%	Letter	A4
72%	Letter	Legal
	A4	Legal

Letter = 216 mm x 279 mm
(8$\frac{1}{2}$″ x 11″)
Legal = 216 mm x 356 mm
(8$\frac{1}{2}$″ x 14″)
A4 = 210 mm x 297 mm
(8$\frac{1}{4}$″ x 11$\frac{11}{16}$″)

Note:
● If the appropriate reduction rate is not selected, the document may be divided and the top of the second sheet will be deleted.
● If the image at the bottom of the document is not copied when you copy a document as long as the recording paper, try 92% or 86%.

Copying

To collate multiple copies

The unit can collate multiple copies in the same order as the original document pages.
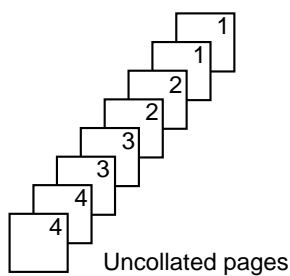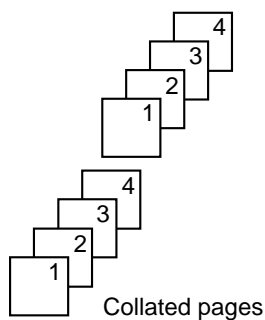
1. Press ▶ 2 times in step 3 on page 52.

Display:

```
COLLATE OFF[+ -]
    <RESOLUTION>▶
```

2. Press + or − repeatedly until the following is displayed.

```
COLLATE ON [+ -]
    <RESOLUTION>▶
```

Example: Making 2 copies of a 4-page original document

Collated pages   Uncollated pages

Note:

● The unit will store the documents into memory while collating the copies. If memory becomes full while storing, the unit will only print out the stored pages.
● After copying, the collating feature will turn off automatically.

Programming

The unit provides various programming features. Program the desired settings by referring to the programming tables (p. 56–61).

General programming method

1 Press (MENU) .

Display:
```
SYSTEM SET UP
PRESS NAVI.[◀ ▶]
```

2 Select the feature you wish to program.

For basic features (p. 56, 57):
Press ◀ or ▶ until the desired feature is displayed.

For advanced features (p. 58–61):
Press ◀ or ▶ until the following is displayed,

```
ADVANCED MODE
       PRESS SET
```

then press (SET) and press ◀ or ▶ until the desired feature is displayed.
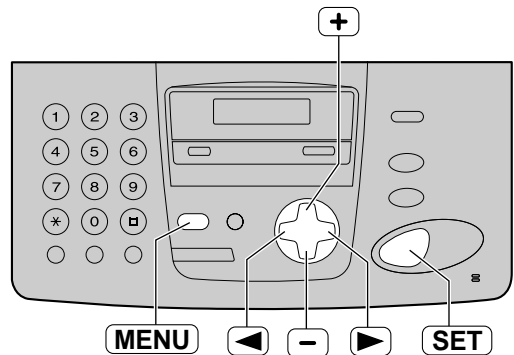
● The current setting of the feature will be displayed.

3 Press (+) or (−) until the desired setting is displayed.

● This step may be slightly different depending on the feature.

4 Press (SET) .
● The setting you selected is set, and the next feature will be displayed.

5 To exit programming, press (MENU) .

Programming by entering the program code number directly

You can select a feature by directly entering the program code (# and 2-digit number) instead of using ◀ or ▶ in step 2.

1. Press (MENU) .

2. Press # and the 2-digit code number.

3. Follow steps 3 to 5 above.

● See programming tables for code numbers (p. 56–61).

To cancel programming

Press (MENU) to exit the program.

Features Summary

Basic features

How to set menu options

1. Press **MENU** .
2. Press **◄** or **►** until the desired feature is displayed.
3. Press **+** or **−** until the desired setting is displayed.
4. Press **SET** .
5. Press **MENU** .

Note:
- For features #01, #02 and #03, refer to the pages in the below tables.
- Step 3 may be slightly different depending on the feature.
- See page 55 for more details.

Programming table

Code	Feature & Display	Settings	How the unit operates

#01	**Setting the date and time**
	`SET DATE & TIME`
	`        PRESS SET`
		mm/dd/yy hh:mm (2 digits for each entry)	See page 17 for details.

#02	**Setting your logo**
	`YOUR LOGO`
	`        PRESS SET`
		(Up to 30 characters)	See page 18 for details.

#03	**Setting your facsimile telephone number**
	`YOUR FAX NO.`
	`        PRESS SET`
		(Up to 20 digits)	See page 20 for details.

#04	**Printing the sending report**
	`SENDING REPORT`
	`MODE=ERROR   [±]`
	
	To print and check the sending report for fax transmission results (p. 36).
		ERROR
		
		ON
		
		OFF
			"ERROR": The sending report will be printed only when fax transmission fails.
			"ON": The sending report will be printed out after every transmission.

#06	**Changing the ring setting in FAX ONLY mode**
	`FAX RING COUNT`
	`RINGS=3      [±]`
	
	To change the number of rings before the unit answers a call in FAX ONLY mode.
		1, 2, **3**, 4, 5 EXT.TAM	This setting is also available after activating FAX ONLY mode (p. 45). If you are using the unit with an answering machine, set to "5 EXT.TAM" (p. 48).

(The default setting is in bold type.)

Code	Feature & Display	Settings	How the unit operates

#12	**Securing the remote operation for the answering machine**
	
	`REMOTE TAM ACT.`
	`MODE=OFF     [±]`
	
	If you are using the unit with an answering machine, activate this feature, and set the remote activation ID to secure the remote operation for the answering machine.
		ON / ID=**11**
		
		OFF
			To select "ON" and enter ID:
			1. Press (MENU).
			2. Press (◄) or (►) and select this feature.
			3. Press (+) or (−) to select "ON".
			4. Press (SET).
			5. Enter your ID from 1 to 5 digits, using 0–9, ✳ and #.
			6. Press (SET).
			7. Press (MENU).

#13	**Setting the dialing mode**
	
	`DIALING MODE`
	`MODE=TONE    [±]`
	
	If you cannot dial, change the setting depending on your telephone line service.
		TONE
		
		PULSE
			"TONE": For tone dial service.
			"PULSE": For rotary pulse dial service.

#16	**Setting the recording paper size**
	
	`PAPER SIZE`
	`=LETTER      [±]`
		LETTER
		
		A4
			"LETTER": Letter or legal size paper
			 = Paper width is 216 mm (8½″)
			"A4": A4 size paper
			 = Paper width is 210 mm (8¼″)

#17	**Setting the ringer pattern**
	
	`RINGER PATTERN`
	`MODE=A       [±]`
		A
		
		B
		
		C
			You can select the ringer pattern. The selected ringer pattern will sound while setting.

(The default setting is in bold type.)

Features Summary

Advanced features

How to set menu options

1. Press (MENU) .
2. Press (◀) or (▶) until the following is displayed,

   Display:
   ```
   ADVANCED MODE
          PRESS SET
   ```

   then press (SET) and press (◀) or (▶) until the desired feature is displayed.

3. Press (+) or (−) until the desired setting is displayed.
4. Press (SET) .
5. Press (MENU) .

Note:
- Step 3 may be slightly different depending on the feature.
- See page 55 for more details.

Programming table

Code	Feature & Display	Settings	How the unit operates

#22	**Setting the journal report to print automatically**
	
	```AUTO JOURNAL```
	```MODE=ON [±]```
		ON	"ON": The unit will print the journal report automatically after every 30 new fax communications (p. 36).

		OFF	

#23	**Sending document overseas**
	
	```OVERSEAS MODE```
	```MODE=ERROR [±]```
	
	If you have difficulty sending an overseas fax, activate this feature before starting transmission. This feature makes sending documents easier as the transmission speed is slowed down.
		NEXT FAX	"NEXT FAX": This setting is effective only for the next attempted fax transmission. After transmission, the unit will return to the previous setting. "ERROR": When the previous fax transmission fails and you redial the same number.
			● This feature is not available for broadcast transmission.
			● The calling charge may be higher.

		ERROR	
		OFF	

#25	**Sending a fax at a specified time**
	
	```DELAYED SEND```
	```MODE=OFF [±]```
	
	This feature allows you to take advantage of low-cost calling hours offered by your telephone company.
	● The setting can be reserved to take place up to 24 hours in advance.
		ON /
		fax no. /
		hh:mm
			To send a document:
			1. Insert the document.
			2. Follow steps 1 and 2 above.
			3. Press (+) or (−) to select "ON".
			4. Press (SET) .
			5. Enter the fax number.
			6. Press (SET) .
			7. Enter the transmission start time. Press (✳) to select "AM" or "PM".
			8. Press (SET) .
			9. Press (MENU) .
			● To cancel after programming, press (STOP) then (SET) .

		OFF	

#26	**Setting the Caller ID list to print automatically**
	
	```AUTO CALL. LIST```
	```MODE=ON [±]```
		ON	"ON": The unit will print the Caller ID list automatically after every 30 new calls (p. 31).

		OFF	

(The default setting is in bold type.)

Code	Feature & Display	Settings	How the unit operates

#30	**Changing the silent fax recognition ring setting**
	
	`SILENT FAX RING`
	`RINGS=3      [±]`
	
	To change the number of rings when the unit detects a phone call in TEL/FAX mode.
		3, 4, 5, 6	See pages 46 and 47 for details.

#31	**Setting the Distinctive Ring pattern**
	
	`RING DETECTION`
	`MODE=B       [±]`
		A, **B**, C, D
		
		OFF
			See page 51 for details.

#34	**Setting the quick scan**
	
	`QUICK SCAN`
	`MODE=OFF     [±]`
	
	To scan the document into memory before sending/copying. This is helpful when you want to remove the document for other uses.
		ON
		
		OFF
			"ON": The unit will store the documents first and release them.
			● If the document exceeds the memory capacity (p. 80), sending/copying will be canceled and this feature will be turned off automatically.

#36	**Receiving other size documents**
	
	`RCV REDUCTION`
	`MODE=92%     [±]`
	
	If the size of the document sent by the other party is as large as, or larger than the recording paper, the unit can reduce and print the document.
	Select the desired reduction rate.
		100%
		
		92%
		
		86%
		
		72%
			See table below.

#39	**Changing the display contrast**
	
	`LCD CONTRAST`
	`MODE=NORMAL  [±]`
		NORMAL
		
		DARKER
			"NORMAL": For normal contrast
			"DARKER": Used when the display contrast is too light.

#40	**Setting the silent detection**
	
	`SILENT DETECT.`
	`MODE=OFF     [±]`
	
	If you use the unit with an answering machine and wish to receive faxes from older model fax machines, activate this feature.
		ON
		
		OFF
			● If the other party's fax machine does not send a fax calling tone, select "ON". The unit detects a silent pause and activates the fax function.
			● If you use an answering machine to give greeting messages and record incoming messages on a single cassette tape, select "OFF".

Table for #36:

Setting	Recording paper	Original document
100%	Legal	Letter, A4
	A4	Letter
92%	Letter	Letter
	Legal	Legal
	A4	A4
86%	Letter	A4
72%	Letter	Legal
	A4	Legal

(The default setting is in bold type.)

59

Features Summary

Advanced features (cont.)

How to set menu options

1. Press MENU .
2. Press ◄ or ► until the following is displayed,

    Display:
    ```
    ADVANCED MODE
         PRESS SET
    ```

    then press SET and press ◄ or ► until the desired feature is displayed.

3. Press + or − until the desired setting is displayed.
4. Press SET .
5. Press MENU .

Note:
- Step 3 may be slightly different depending on the feature.
- See page 55 for more details.

Programming table (cont.)

Code	Feature & Display	Settings	How the unit operates

#41	**Changing the fax activation code**
	```FAX ACTIVATION```
	```MODE=ON [±]```
	
	If you use an extension telephone and wish to use it to receive a fax, activate this feature, and enter the code (p. 49).
		ON /
		CODE= ∗ 9
		
		OFF
			1. Follow steps 1 and 2 above.
			2. Press + or − to select "ON".
			3. Press SET .
			4. Enter your code from 2 to 4 digits, using 0–9 and ∗.
			5. Press SET .
			6. Press MENU .
			● Do not enter "0000".

#44	**Setting the memory reception alert**
	```RECEIVE ALERT```
	```MODE=ON [±]```
	
	To alert you with a beeping sound when a document which has been received is stored into memory due to some existing problem.
		ON
		
		OFF
			If you are alerted by a slow beeping sound, clear the printing problem and make sure the unit is supplied with paper to print the stored document. The beeps will stop.

#46	**Setting the friendly reception**
	```FRIENDLY RCV```
	```MODE=ON [±]```
	
	To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).
		ON
		
		OFF
			"ON": You do not have to press FAX/START for fax reception.

#49	**Setting the auto disconnection**
	```AUTO DISCONNECT```
	```MODE=ON [±]```
	
	To answer a call with an extension telephone in TEL/FAX mode (p. 47).
		ON /
		CODE= ∗ 0
		
		OFF
			1. Follow steps 1 and 2 above.
			2. Press + or − to select "ON".
			3. Press SET .
			4. Enter your code from 2 to 4 digits, using 0–9 and ∗.
			5. Press SET .
			6. Press MENU .

(The default setting is in bold type.)

Code	Feature & Display	Settings	How the unit operates

#70	**Signaling your pager**
	
	```FAX PAGER CALL```
	```MODE=OFF [±]```
	
	If you have a pager and wish to know when your unit receives a fax, activate this feature.
		ON
		
		OFF
			See page 50 for details.

#76	**Setting the connecting tone**
	
	```CONNECTING TONE```
	```MODE=ON [±]```
	
	If you often have trouble when sending a fax, this feature allows you to hear connecting tones: fax tone, ring back tone and busy tone.
		ON
		
		OFF
			You can confirm the status of the other party's machine.
			● If the ring back tone continues, the other party's machine may not be a facsimile or may have run out of paper. Check with the other party.
			● The connecting tone volume cannot be adjusted.

#77	**Changing the receive mode in the AUTO ANSWER setting**
	
	```AUTO ANSWER```
	```MODE=FAX ONLY[±]```
		FAX ONLY
		
		TEL/FAX
			"FAX ONLY": Facsimile only mode (p. 45)
			"TEL/FAX": Telephone/Facsimile mode (p. 46, 47)

#78	**Changing the TEL/FAX delayed ring setting**
	
	```TEL/FAX RING```
	```RINGS=2 [±]```
	
	If you use an extension telephone in TEL/FAX mode, select the desired number of rings of the extension telephone.
		1, **2**, 3, 4	See pages 46 and 47 for details.

#80	**Resetting on advanced features to their default settings**
	
	```SET DEFAULT```
	```RESET=NO [±]```
		YES
		
		NO
			1. Follow steps 1 and 2 on page 60.
			2. Press ⊕ or ⊖ to select "YES".
			3. Press (SET) .
			4. Press (SET) again.
			5. Press (MENU) .

(The default setting is in bold type.)

Error Messages

Reports

If your unit cannot send a fax, check the following:
— the number you dialed is correct,
— the other party's machine is a facsimile.
If the problem remains, correct it by following the communication message printed on the sending and journal reports (p. 36).

Communication message	Error code	Cause & solution
COMMUNICATION ERROR	40–42 46–52 58, 65 68, 72 FF	● A transmission or reception error occurred. Try again or check with the other party.
	43 44	● A line problem occurred. Connect the telephone line cord to a different jack and try again. ● An overseas transmission error occurred. Try using the overseas mode of feature #23 (p. 58).
DOCUMENT JAMMED	—	● The document is jammed. Remove the jammed document (p. 72).
ERROR-NOT YOUR UNIT	54 59 70	● A transmission or reception error occurred because of a problem with the other party's fax machine. Check with the other party.
MEMORY FULL	—	● The document was not received due to memory being full.
NO DOCUMENT	—	● The document was not fed into the unit properly. Reinsert the document and try again.
OTHER FAX NOT RESPOND	—	● The other party's fax machine is busy or has run out of recording paper. Try again. ● The document was not fed properly. Reinsert the document and try again. ● The other party's fax machine rings too many times. Send the fax manually – dial the number, confirm the fax tone, and press **FAX/START**. ● The other party's machine is not a facsimile. Check with the other party. ● The number you dialed is not in service.
PRESSED THE STOP KEY	—	● **STOP** was pressed and fax communication was canceled.
OK	—	● Fax communication was successful.

For fax advantage assistance, call 1-800-435-7329.

Display

If the unit detects a problem, one or more of the following messages will appear on the display.

Display message	Cause & solution
CALL SERVICE CALL SERVICE2	● There is something wrong with the unit. Contact our service personnel.
CHECK DOCUMENT	● The document was not fed into the unit properly. Reinsert the document. If misfeeding occurs frequently, clean the document feeder rollers (p. 74) and try again.
CHECK MEMORY	● Memory (telephone numbers, parameters, etc.) has been erased. Re-program.
CHECK PAPER	● The recording paper is not installed or the unit has run out of paper. Install paper and press **SET** to clear the message. ● The recording paper is not fed into the unit properly. Reinstall paper (p. 15) and press **SET** to clear the message. ● The recording paper has jammed near the recording paper entrance. Clear the jammed paper (p. 70) and press **SET** to clear the message. Do not install folded or heavily curled paper.
COVER OPEN ↕ CHECK FILM	● The covers are open. Close them. ● The ink film is empty. Replace the ink film with a new one (p. 12). ● The ink film is not installed. Install it (p. 12). ● The ink film is slack. Tighten it (see step 7 on page 13).
DIRECTORY FULL	● There is no space to store new items in the directory. Erase unnecessary items (p. 29).
FAX IN MEMORY	● The unit has a document in memory. See the other displayed message instructions to print out the document.
FAX MEMORY FULL	● The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper or clear the jammed paper. ● When performing memory transmission, the document being stored exceeds the memory capacity of the unit. Transmit the entire document manually.
MEMORY FULL	● When making a copy, the document being stored exceeds the memory capacity of the unit. Press **STOP** to clear the message. Divide the document into sections.

(continued)

Error Messages

Display message	Cause & solution
MODEM ERROR	● There is something wrong with the modem circuit. Contact our service personnel.
NO FAX REPLY	● The other party's fax machine is busy or has run out of recording paper. Try again.
PAPER JAMMED	● A recording paper jam occurred. Clear the jammed paper (p. 70).
PLEASE WAIT	● The unit is checking that there is no slack on the ink film. Wait for a while.
REDIAL TIME OUT	● The other party's fax machine is busy or has run out of recording paper. Try again.
REMOVE DOCUMENT	● The document is jammed. Remove the jammed document (p. 72). ● Attempted to transmit a document longer than 600 mm. Press **STOP** to remove the document. Divide the document into two or more sheets and try again.
TRANSMIT ERROR	● A transmission error occurred. Try again.
UNIT OVERHEATED	● The unit is too hot. Let the unit cool down.

For fax advantage assistance, call 1-800-435-7329.

When a function does not work, check here before requesting help

General

Problem	Cause & solution
I cannot make and receive calls.	● The power cord or telephone line cord is not connected. Check the connections (p. 16). ● If you used a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter.
I cannot make calls.	● The dialing mode setting is wrong. Change the setting of feature #13 (p. 57).
The unit does not work.	● Disconnect the unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company.
The unit does not ring.	● The ringer volume is set to off. Adjust it (p. 24).
The unit displays the following though the paper is inserted. CHECK PAPER	● The paper is inserted halfway. Insert it correctly (p. 15) and press SET to clear the message.
The other party complains they only hear a fax tone and cannot talk.	● FAX ONLY mode is set. Tell the other party the number is only used for faxes. ● Change to TEL mode (p. 44) or TEL/FAX mode (p. 46). ● If you use a distinctive ring service, turn AUTO ANSWER off so that the fax machine is in TEL mode. ● If you use a distinctive ring service, make sure you have set the same ring pattern assigned by the telephone company (p. 51).
The receive mode does not function properly.	● A Distinctive Ring pattern of feature #31 is set (p. 59). ● TEL/FAX mode is set (p. 46, 47).
During programming, I cannot enter the code or ID number.	● All or part of the numbers are the same. Change the number: feature #12 (p. 57), #41 (p. 60) and #49 (p. 60).
The ink film runs out quickly.	● The HELP printing function, copy function, and reports also use ink film.
The unit beeps.	● Recording paper or ink film has run out. Press STOP to stop the beeps and install paper/ink film.
Whenever I try to retrieve my voice mail messages, the retrieval is interrupted by the fax tone.	● You are probably entering ✱98 or ✱99 to retrieve your messages. ✱9 is the default setting for the fax activation code. If you use a voice mail service, set the fax activation feature to off or reprogram the activation code (feature #41 on page 60).
The HANDSET LOCATOR button does not function.	● The handset is too far from the base unit. ● The handset is engaged in an outside call.

Operations

Cordless handset

Problem	Cause & solution
The handset does not work.	● Make sure that the battery is installed correctly (p. 73). ● Charge the battery fully (p. 22). ● Clean the charge contacts and charge again (p. 22).
The handset does not ring.	● The ringer volume is set to off. Press (**LOUD/RINGER**) (p. 24).
An alarm tone sounds when I press (**TALK**) **or** (**REMOTE SP**)**.**	● The handset is too far from the base unit. Move closer and try again. ● Place the handset on the base unit and try again. ● The power cord is disconnected. Plug in the power cord.
An alarm tone sounds continuously while using the handset.	● Quickly move closer to the base unit or the call will be terminated within 60 seconds. ● The power cord is disconnected. Plug in the power cord.
Static, sound cuts in/out, fades. Interference from other electrical units.	● Locate the handset and the base unit away from electrical appliances. ● Move closer to the base unit. ● Press (**CH**) to select a clear channel. ● Raise the base unit antenna.
The handset stops working while being used.	● Place the handset on the base unit, and disconnect the power cord to reset the unit. Connect the power cord, and try again.
I cannot store a telephone number in the handset memory.	● You cannot store a number while the unit is in the talk or intercom mode. ● Do not pause for over 30 seconds while storing a number.
While storing a telephone number in the handset, it starts to ring.	● To answer a call, press (**TALK**). The program will be canceled. Store the number again.
I cannot redial by pressing (**REDIAL**)**.**	● If the last number dialed was more than 32 digits long, the number will not be redialed
The handset beeps intermittently and/or the RECHARGE indicator flashes.	● Charge the battery fully (p. 22).
I charged the battery fully, but the RECHARGE indicator flashes.	● Clean the charge contacts and charge again (p. 22). ● It is time to replace the battery (p. 73).
I cannot receive documents by pressing (**FAX**) **on the handset.**	● Press (**FAX**) until a single beep is heard.

For fax advantage assistance, call 1-800-435-7329.

Fax – sending

Problem	Cause & solution
I cannot send documents.	● The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 16). ● The other party's fax machine is busy or has run out of recording paper. Try again. ● The other party's machine is not a facsimile. Check with the other party. ● The other party's fax machine rings too many times. Send the fax manually – dial the number, confirm the fax tone, then press (**FAX/START**).
The other party complains that letters on their received document are distorted or not clear.	● If your line has special telephone services such as call waiting, the service may have been activated during fax transmission. Connect the unit to a line that does not have these services. ● The extension telephone on the same line is off the hook. Hang up the extension telephone and try again. ● Try copying the document. If the copied image is clear, there may be something wrong with the other party's machine.
The other party complains that dirty patterns or black lines appear on their received document.	● The glass or rollers are dirty. Clean them (p. 74).
I cannot send a fax overseas.	● Use the overseas transmission mode of feature #23 (p. 58). ● Add two pauses at the end of the telephone number or dial manually.

Fax – receiving

Problem	Cause & solution
I cannot receive documents.	● The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 16).
I cannot receive documents automatically.	● The receive mode is set to TEL mode. Set to FAX ONLY mode (p. 45) or TEL/FAX mode (p. 46). ● The time taken to answer the call is too long. Decrease the number of rings: feature #06 (p. 56), #30 (p. 59) and #78 (p. 61).
The display shows the following, but faxes are not received. `CONNECTING.....`	● The incoming call is not a fax. Change the receive mode to TEL mode (p. 44).
A blank sheet is ejected.	● If a blank sheet is ejected after the received document is printed out, the receiving reduction rate is not programmed correctly. Program the proper rate in feature #36 (p. 59). ● The other party placed the document in their fax machine the wrong way. Check with the other party.

(continued)

Operations

Fax – receiving (cont.)

Problem	Cause & solution
A white line or a dirty pattern appears on your recording paper.	● The glass or rollers are dirty. Clean them (p. 74).
The printing quality is poor.	● The other party sent a faint document. Ask them to send a clearer copy of the document. ● The thermal head is dirty. Clean it (p. 75). ● Some paper has instructions recommending which side to print on. Try turning the paper over. ● You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. We recommend smooth paper such as Hammermill Jet Print for clearer printing.
I cannot receive documents by pressing (FAX) on the handset.	● Press (FAX) until a single beep is heard.
The other party complains that they cannot send a document.	● The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (p. 15) or clear the jammed paper (p. 70).

Receive mode

Problem	Cause & solution
I cannot select the desired receive mode.	● If you want to set FAX ONLY or TEL/FAX mode: — select the desired mode using feature #77 (p. 61), and — press (AUTO ANSWER) to turn on the arrow (▼) on the right of the display. Display: [▼] ON ● If you want to set TEL mode: — press (AUTO ANSWER) to turn off the arrow (▼) on the right of the display. [ ] ON
The other party complains that they cannot send a document.	● The unit is not in AUTO ANSWER mode. Press (AUTO ANSWER) to turn on the arrow (▼) on the right of the display. [▼] ON

For fax advantage assistance, call 1-800-435-7329.

Copying

Problem	Cause & solution
The unit does not make a copy.	● You cannot make a copy during programming. Make the copy after programming or stop programming.
A black line, a white line or a dirty pattern appears on the copied document.	● The glass or rollers are dirty. Clean them (p. 74).
The copied image is distorted.	● The thermal head is dirty. Clean it (p. 75).
The printing quality is poor. Original Copy A B C A B C	● Some paper has instructions recommending which side to print on. Try turning the paper over. ● You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. We recommend smooth paper such as Hammermill Jet Print for clearer printing.

Using an answering machine

Problem	Cause & solution
I cannot receive documents automatically.	● Your greeting message on the answering machine is too long. Shorten the message (up to 10 seconds). ● The answering machine rings too many times. Set to 1 or 2 rings.
I cannot receive voice messages.	● Check if the answering machine is turned on and connected to the fax machine properly (p. 48). ● Set the number of rings on the answering machine to 1 or 2.
I cannot retrieve recorded voice messages on the answering machine from a remote location.	● The remote access code on your answering machine is the same as your fax activation code. Set a different number for features #12 (p. 57) and #41 (p. 60). ● You did not program your remote access code in your fax machine correctly. Program the same code that is programmed on the answering machine to the fax machine with feature #12 (p. 57).
I pressed the remote access code to access the answering machine remotely, but the line was disconnected.	● The code may include "#" which is used for certain features provided by telephone companies. Change the code on the answering machine to another number which does not include "#". Also change the code of the fax machine with feature #12 (p. 57).
Callers complain that they cannot send a document.	● Your answering machine has run out of recording tape. Rewind the tape to record messages. ● You set the answering machine to only give a greeting message.

If a power failure occurs

- The unit will not function.
- The unit is not designed for making emergency telephone calls when the power fails. Alternative arrangements should be made for access to emergency services.
- Fax transmission and reception will be interrupted.
- If delayed transmission of feature #25 (p. 58) is programmed and the start time has passed during a power failure, transmission will be attempted soon after power is restored.
- If fax documents are stored in memory, they will be lost. When power is restored, a power down report will be printed out stating which contents in memory have been erased.

Recording paper jam

If the unit does not eject any recording paper during fax reception or copying, the recording paper has jammed and the display will show the following.

Display: | PAPER JAMMED |

1 Open the front cover by pulling up the center part.
- If the handset is on the cradle, take it off before opening the cover.

Center part

Front cover

2 Push the back cover open button (green) on the right side of the unit.
OR
Push the back cover open lever (green) inside of the unit.

Back cover open button (green)

Back cover open lever (green)

OR
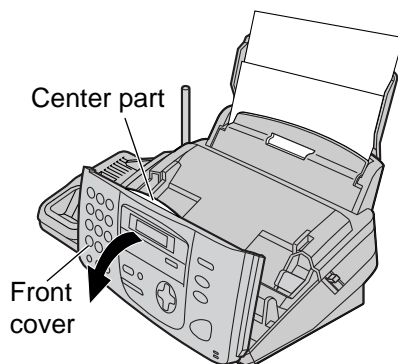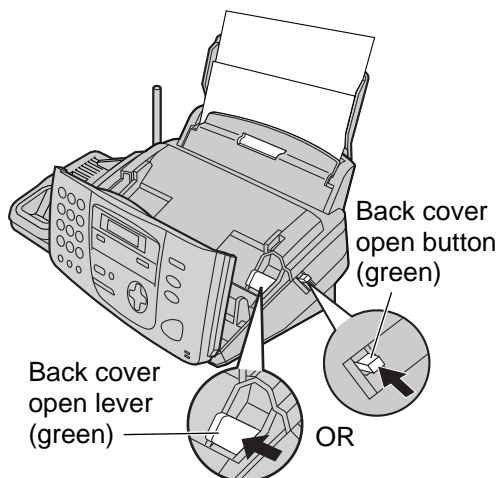
3 Open the back cover.

Back cover
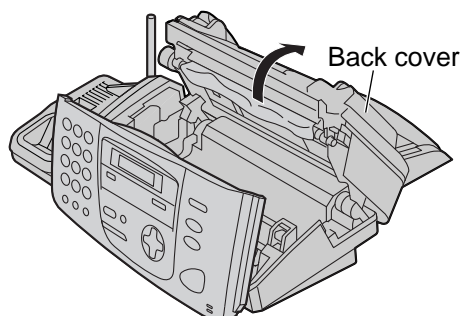
4 Remove the jammed recording paper.

Jammed recording paper
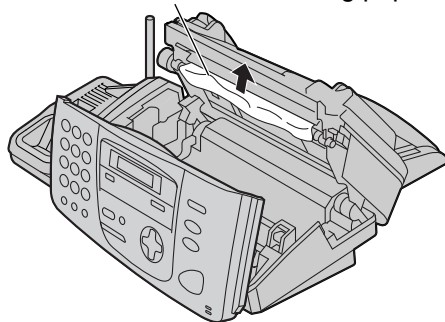
5 Turn the "T" shaped gear (blue) in the direction of the arrow.
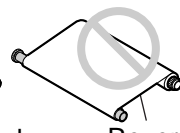● Make sure that the ink film is wrapped around the blue core at least once.
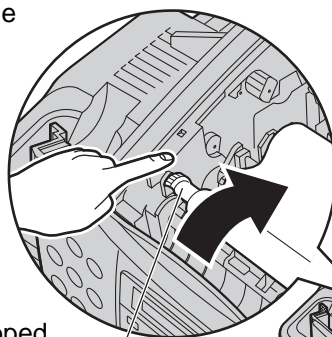
Correct | Incorrect

Tight
Blue core
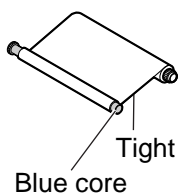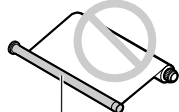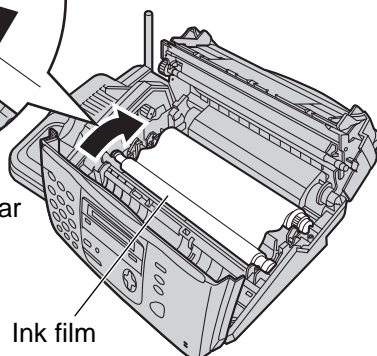
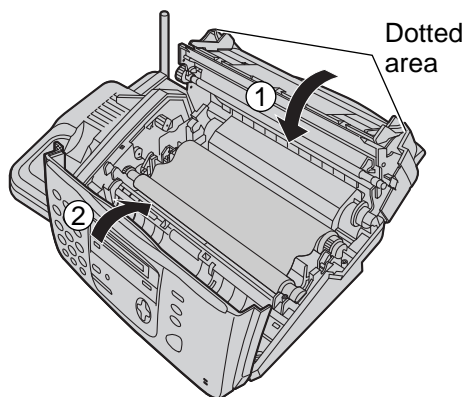The ink film is not wrapped around the blue core.

Slack   Reverse

"T" shaped gear (blue)

Ink film

**6** Close the back cover securely by pushing down on the dotted area at both ends (①). Close the front cover securely (②).

Dotted area

Jams

Document jams – sending

If the unit does not release the document during feeding, remove the jammed document as follows.

1 Open the front cover by pulling up the center part.

2 Remove the jammed document carefully.

3 Close the front cover securely.

Center part

Front cover

Jammed document
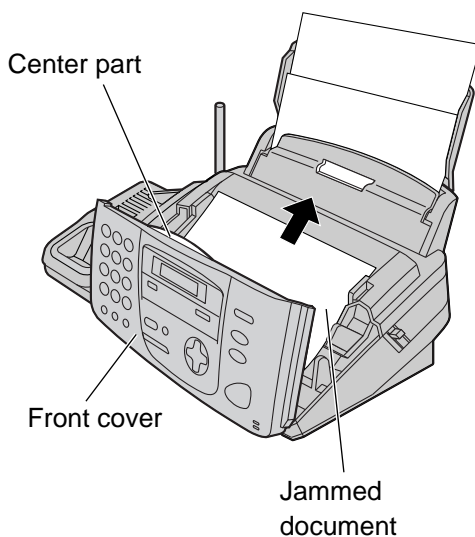
Note:
● Do not pull out the jammed paper forcibly before opening the front cover.

For fax advantage assistance, call 1-800-435-7329.

Replacing the handset battery

Replace the battery with a new **Panasonic rechargeable battery Model No. P-P504.** See page 8 for accessory information.
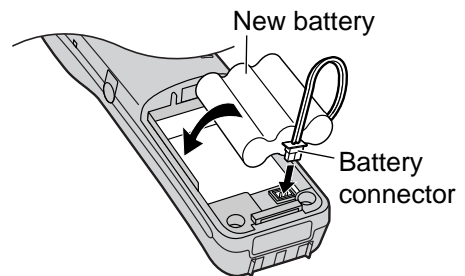**To prevent memory loss, replace the battery within 3 minutes.**

1 Press down on the arrow and slide the handset cover.
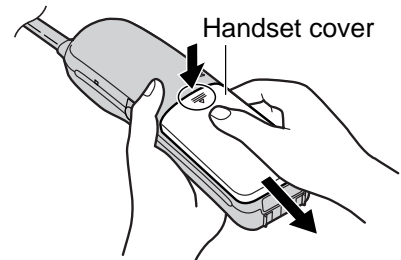
Handset cover

2 Disconnect the battery connector and remove the used battery.

Used battery
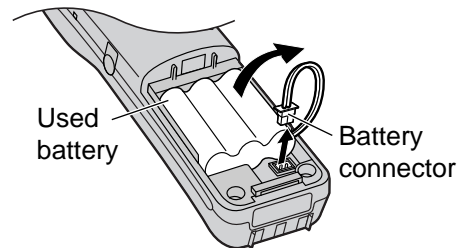
Battery connector

3 Connect the battery connector of the new battery, and insert the battery into the handset.

New battery

Battery connector

4 Replace the handset cover on the handset.
● Be sure to charge the new battery for about **4 hours** (p. 22).

Handset cover
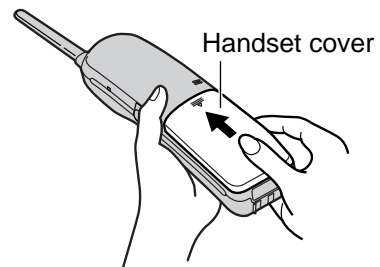
Attention:
● A nickel cadmium battery that is recyclable powers the product you have purchased. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream.
Please call 1-800-8-BATTERY for information on how to recycle this battery.

RECYCLE
R B R C
Ni-Cd
1-800-822-8837

Cleaning

Document feeder

If misfeeding occurs frequently or if dirty patterns or black bands appear on a transmitted document or on the original of a copied document, clean the document feeder.

1 **Disconnect the power cord and the telephone line cord.**

2 Open the front cover by pulling up the center part.
- If the handset is on the cradle, take it off before opening the cover.

3 Clean the document feeder rollers and rubber flap with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly.

4 Clean the glass with a soft dry cloth.

5 Close the front cover securely.

6 Connect the power cord and the telephone line cord.
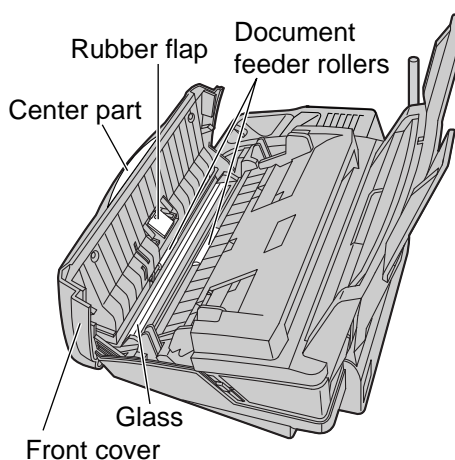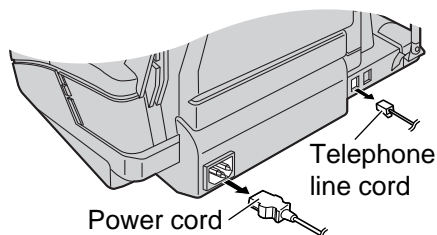
Caution:
- **Do not use paper products, such as paper towels or tissues, to clean the inside of the unit.**
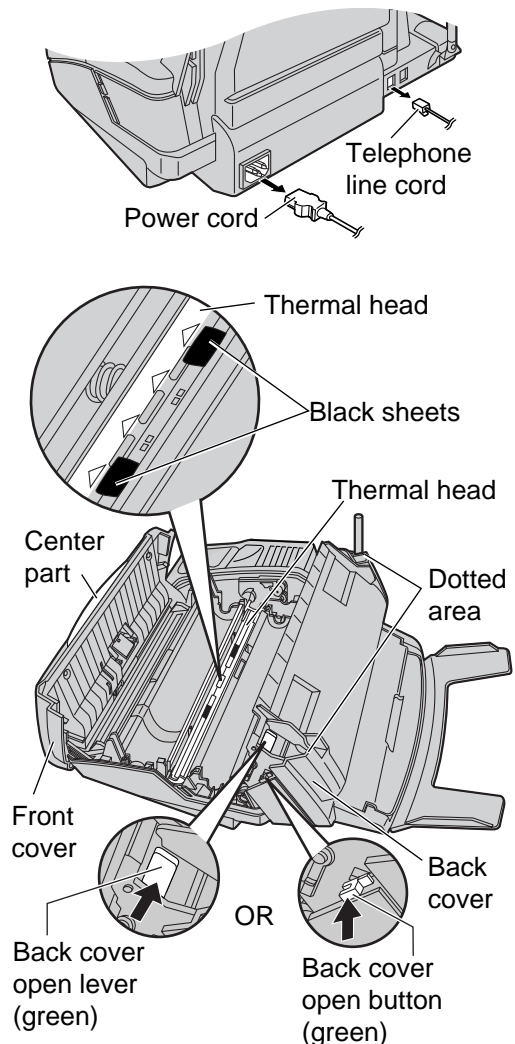
For fax advantage assistance, call 1-800-435-7329.

Thermal head

If dirty patterns or black or white bands appear on a copied or received document, check whether there is dust on the thermal head and clean the thermal head to remove the dust.

1 **Disconnect the power cord and the telephone line cord.**

2 Open the front cover by pulling up the center part.
- If the handset is on the cradle, take it off before opening the cover.

3 Open the back cover by pushing the back cover open button (green) or pushing the back cover open lever (green).

4 Clean the thermal head with a cloth moistened with isopropyl rubbing alcohol, and let it dry thoroughly.

- **Do not touch the black sheets on the thermal head.**

5 Close the back cover securely by pushing down on the dotted area at both ends. Close the front cover securely.

6 Connect the power cord and the telephone line cord.

Caution:
- **To prevent malfunction due to static electricity, do not use a dry cloth and do not touch the thermal head directly.**

Telephone line cord

Power cord

Thermal head

Black sheets

Thermal head

Center part

Dotted area

Front cover

Back cover

Back cover open lever (green)

OR

Back cover open button (green)

Printed Reports

Reference lists and reports

You can print out the following lists and reports for your reference.

Setup list: provides you with the current settings of the basic and advanced programming features (p. 56–61).

Telephone number list: provides you with names and telephone numbers which are stored in the directory.

Journal report: keeps records of fax transmission and reception. This report will be printed automatically after every 30 fax communications (p. 36).

Printer test list: allows you to check the print quality of your unit. If the test print has a dirty pattern, or blurred points or lines, clean the thermal head (p. 75).

Broadcast programming list: provides you with items which are stored in the broadcast feature (p. 38).

Caller ID list: keeps records of the last 30 callers after subscribing to a Caller ID service. This report will be printed automatically after every 30 callers (p. 31).

1 Press **MENU** until the following is displayed.

Display:
```
PRINT REPORT
PRESS NAVI.[◄ ►]
```

2 Press **◄** or **►** until the desired item is displayed.
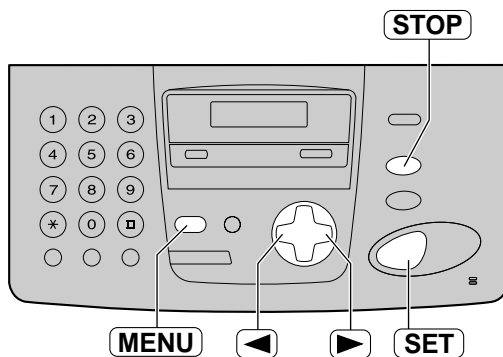
```
SETUP LIST
        PRESS SET
```

```
TEL NO. LIST
        PRESS SET
```

```
JOURNAL REPORT
        PRESS SET
```

```
PRINTER TEST
        PRESS SET
```

```
BROADCAST LIST
        PRESS SET
```

```
CALLER ID LIST
        PRESS SET
```

3 Press **SET** to start printing.

```
        PRINTING
```

- To stop printing, press **STOP**.
- After printing, the printed item will be displayed.

4 Press **MENU**.

76

List of FCC requirements and information ════

If required by the telephone company, inform them of the following.
● FCC Registration No.:
  (found on the rear of the unit)
● Ringer Equivalence No.:
  (found on the rear of the unit)
● The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

Ringer Equivalence Number (REN):
This REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

In the event that terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped. However, where prior notice is impractical, the company may temporarily cease service providing that they:
a) Promptly notify the customer.
b) Give the customer an opportunity to correct the problem with their equipment.
c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities, equipment operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in FCC Part 68. If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

When programming emergency numbers and/or making test calls to emergency numbers:
1. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
2. Perform such activities in the off-peak hours; such as early morning or late evenings.

This telephone provides magnetic coupling to hearing aids.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Limited Warranty

Have any questions? CALL 1-800-HELP-FAX (1-800-435-7329) on:
operating the unit, getting repair service, and/or getting supplies.

Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation
of America
One Panasonic Way,
Secaucus, New Jersey 07094

Panasonic Sales Company,
Division of Matsushita Electric of
Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5, San Gabriel
Industrial Park, Carolina, Puerto Rico 00985

PANASONIC Facsimile Products Limited Warranty

In the event of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor"), will repair this product with new or refurbished parts, free of charge, in the USA or Puerto Rico for 6-month limited warranty from the date of original purchase.

This Limited Warranty Excludes both Labor and Parts for: batteries, antennas, ink film, toner cartridge, drum unit, ink cartridge and cosmetic parts (cabinet).

Carry-in or mail-in service in the USA can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call, toll free, 1-800-HELP-FAX (1-800-435-7329) to locate a PASC Factory Servicenter. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in material or workmanship which occur during normal use. The inability of this product to interface with any specific computer is not a manufacturing defect and is outside of the scope of this Limited Warranty. In no event shall the warrantor be liable by reason of such incompatibility. The warranty does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor such as non Panasonic ink film, toner cartridge or drum unit, or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set-up adjustments, improper operation or maintenance, alteration, modification, power line surge, improper voltage supply, lightning damage, signal reception problems, rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center at the company address indicated above.

For product service
● Servicenters are listed on next page.
● Call toll-free 1-800-HELP-FAX (1-800-435-7329) for the location of an authorized servicenter.
● After the warranty has expired, please contact our Continued Services Technical Support Line at 1-900-555-PANA (1-900-555-7262). If you have difficulty reaching this number, it may be blocked by your phone company. Please contact your local phone company to correct this.

When you ship the product
● Carefully pack your unit, preferably in the original carton.
● Attach a letter, detailing the symptom or problem, to the outside of the carton.
● Send the unit to an authorized servicenter, prepaid and adequately insured.
● Do not send your unit to the Panasonic Consumer Electronics Company or to any executive or regional sales offices. These locations do not repair consumer products.

Servicenter directory

To obtain technical support within the warranty period or product service, please contact:1-800-HELP-FAX (1-800-435-7329), Monday-Friday 9am-8pm EST.
To obtain continued technical support after the warranty has expired, please contact: 1-900-555-PANA (1-900-555-7262) for support on a fee basis.

Web Site: www.panasonic.com
(for customers in the USA or Puerto Rico ONLY)
You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Factory Servicenter Locations

CALIFORNIA
6550 Katella Avenue
Cypress, CA 90630

800 Dubuque Avenue
S. San Francisco,
CA 94080

3878 Ruffin Road
Suite A
San Diego, CA 92123

FLORIDA
3700 North 29th Avenue
Suite 102
Hollywood, FL 33020

GEORGIA
8655 Roswell Road
Suite 100
Atlanta, GA 30350

ILLINOIS
1709 North Randall Road
Elgin, IL 60123

MASSACHUSETTS
60 Glacier Drive
Suite G
Westwood, MA 02090

MINNESOTA
7850-12th Avenue South
Airport Business Center
Bloomington, MN 55425

OHIO
2236 Waycross Road
Civic Center Plaza
Forest Park, OH 45240

PENNSYLVANIA
2221 Cabot Blvd. West
Suite B
Langhorne, PA 19047

TEXAS
13615 Welch Road
Suite 101
Farmers Branch,
TX 75244

WASHINGTON
20425-84th Avenue South
Kent, WA 98032

HAWAII
99-859 Iwaiwa Street
Aiea, Hawaii 96701
Phone (808) 488-1996
Fax (808) 486-4369

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company / Factory Servicenter:
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787) 750-4300   Fax (787) 768-2910

As of Aug 2001

Specifications

Technical data about this product

■ **Base unit**
Applicable Lines: Public Switched Telephone Network
Document Size: Max. 216 mm (8½″) in width / Max. 600 mm (23⅝″) in length
Effective Scanning Width: 208 mm (8³⁄₁₆″)
Recording Paper Size: Letter: 216 mm x 279 mm (8½″ x 11″)
Legal: 216 mm x 356 mm (8½″ x 14″)
A4: 210 mm x 297 mm (8¼″ x 11¹¹⁄₁₆″)
Effective Printing Width: 208 mm (8³⁄₁₆″)
Transmission Time*: Approx. 15 s/page (Original mode)**
Scanning Density: Horizontal: 8 pels/mm (203 pels/inch)
Vertical: 3.85 lines/mm (98 lines/inch) –STANDARD
7.7 lines/mm (196 lines/inch) –FINE/PHOTO
15.4 lines/mm (392 lines/inch) –SUPER FINE
Halftone Level: 64-level
Scanner Type: Contact Image Sensor (CIS)
Printer Type: Thermal Transfer on plain paper
Data Compression System: Modified Huffman (MH), Modified READ (MR)
Modem Speed: 9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback
Operating Environment: 5 °C – 35 °C (41 °F – 95 °F), 20% – 80% RH (Relative Humidity)
Dimensions (H x W x D): Approx. 185 mm x 378 mm x 285 mm (7⁹⁄₃₂″ x 14⅞″ x 11⁷⁄₃₂″)
Mass (Weight): Approx. 3.5 kg (7.7 lb.)
Power Consumption: Standby: Approx. 8.0 W
Transmission: Approx. 20 W
Reception: Approx. 42 W (When receiving a 20% black document)
Copy: Approx. 42 W (When copying a 20% black document)
Maximum: Approx. 135 W (When copying a 100% black document)
Power Supply: 120 V AC, 60 Hz
Fax Memory Capacity: Approx. 25 pages of memory transmission
Approx. 28 pages of memory reception
(Based on the ITU-T No. 1 Test Chart in standard resolution.)

■ **Handset**
Operating Environment: 5 °C – 35 °C (41 °F – 95 °F), 20% – 80% RH (Relative Humidity)
Dimensions (H × W × D): Approx. 39 mm × 55 mm × 271 mm (1¹⁷⁄₃₂″ × 2⁵⁄₃₂″ × 10¹¹⁄₁₆″)
Mass (Weight): Approx. 200 g (0.4 lb.)
Power Supply: Ni-Cd battery (3.6 V, 600 mAh)
Frequency: 926 MHz–927 MHz, 902 MHz–903 MHz (30 channels)
Security Codes: 1,000,000

ITU-T No. 1 Test Chart

* Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the other party's machine.

** Transmission speed is based upon the ITU-T No. 1 Test Chart and original mode.
If the capability of the other party's machine is inferior to your unit, the transmission time may be longer.
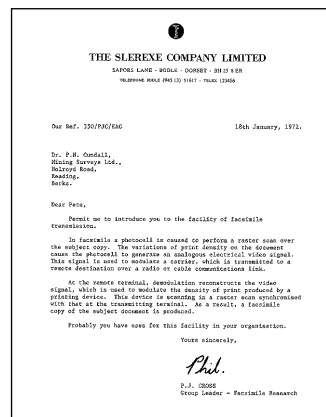
Note:
● Any details given in these instructions are subject to change without notice.
● The pictures and illustrations in these instructions may vary slightly from the actual product.

Program index

Basic features

Code	Feature	Page
#01	Date and time	17
#02	Your logo	18
#03	Your facsimile telephone number	20
#04	Sending report	36, 56
#06	FAX ring setting	56
#12	Remote activation ID	57
#13	Dialing mode	57
#16	Paper size	57
#17	Ringer pattern	24, 57

Advanced features

Code	Feature	Page
#22	Journal report	36, 58
#23	Overseas mode	58
#25	Delayed transmission	58
#26	Caller ID list	31, 58
#30	Silent fax ring setting	46, 47, 59
#31	Ring detection	51, 59
#34	Quick scan	35, 52, 59
#36	Receiving reduction	59
#39	Display contrast	59
#40	Silent detection	59
#41	Remote fax activation code	49, 60
#44	Fax receiving alert	60
#46	Friendly reception	44, 60
#49	Auto disconnection	47, 60
#70	Pager call	50
#76	Connecting tone	61
#77	Auto answer	61
#78	TEL/FAX ring setting	46, 47, 61
#80	Reset advanced features	61

Index

Index

Panasonic FAX ADVANTAGE PROGRAM

Free peace of mind, direct from Panasonic

NO EXTRA COST

Panasonic
FAX ADVANTAGE PROGRAM

- *6-month limited warranty[1]: parts, labor, and toll-free help line[2]*

- *Free replacement[3] and repair program*

The Panasonic Fax Advantage Consumer Service Program.
Panasonic knows that if your fax machine is not up and running, neither is your business. That's why we created the Panasonic Fax Advantage Program. Included at no extra cost with the purchase of a new and unused Panasonic Fax Machine, the Fax Advantage Program can provide a free replacement unit[3] if your original unit is in need of repair.

Here's how it works:
1. If you have a problem with your fax that you purchased new and unused while it is covered by the period of limited warranty[1], call our toll-free help-line at 1-800-HELP-FAX[2].
2. Talk to one of our technical experts to diagnose your problem over the phone.
3. If repairs are necessary and you are entitled to service under the terms and conditions of the limited warranty[4], we will send a refurbished replacement unit to you by UPS Ground service delivery. The shipping method is upgradable for an extra charge.

A second option available under our limited warranty is to mail-in or carry-in your fax to one of our Regional Service centers, where the unit will be repaired and returned to you.

Instructions:
If you choose to receive a replacement unit under the Fax Advantage Program, Panasonic will provide a replacement unit which will be completely refurbished, quality-tested by Panasonic technicians and individually hand-inspected before it is shipped to you. You will keep the replacement unit and send the original unit to us in the replacement unit's box. UPS will pick up the unit at no charge to you, should it be determined that you are entitled to warranty service. A proof-of-purchase must be included with the returned product. Any unit that is replaced by Panasonic and not shipped with proper proof-of-purchase by you will be subject to a minimum $100.00 charge. The original unit must be properly packaged in the same manner as the replacement unit, utilizing the packing materials provided. Damage due to improper or inadequate packing will be charged to you as an out-of-warranty cost.

If our 1-800-HELP-FAX technicians determine that your unit may be an "out-of-box failure"[5], we will attempt to provide you with a factory-new replacement unit[6]. You must ship a copy of your receipt with your original unit to verify that you purchased the unit within 10 days prior to your 1-800-HELP-FAX call.

Requirements:
You must give our technicians a valid credit card number (Discover, VISA, Master Card, or American Express/Optima). Product that is not returned to Panasonic by 10 business days after shipment of the replacement product will be charged to your credit card account at Panasonic's Suggested Retail Price (see dealer for details). If your original unit is not eligible for warranty service, your card will be charged for the non-warranty repair of the unit at Panasonic's current rate for parts and labor and for any shipping charges associated with this program. If you do not wish to pay out-of-warranty repair costs, you will be responsible for returning the replacement unit to Panasonic and for paying all shipping charges associated with this program including the UPS delivery of the replacement product to you, shipment of the problem unit to Panasonic, shipment of the replacement unit back to Panasonic and the return of your original unit back to you. Credit status will be verified prior to sending the replacement product.

1. See dealer for limited warranty details.
2. After the fax advantage program, contact our Continued Services Technical Support Line at 1-900-555-PANA (1-900-555-7262), for fee based technical support.
3. Replacement unit is refurbished.
4. Replacement program is only available in the 50 United States and is subject to termination at any time without advance notice.
5. "Out-of-box failure" is an inoperable unit that was purchased no more than 10 days prior to your 1-800-HELP-FAX call, and would otherwise qualify for warranty service under the terms and conditions of the limited warranty.
6. Panasonic reserves the right to send a refurbished unit.

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America
One Panasonic Way,
Secaucus, New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina,
Puerto Rico 00985